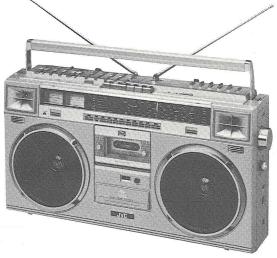


SERVICE MANUAL

RC-M70L/LB

FM-MW-LW-SW1-SW2-SW3 6-BAND STEREO RADIO CASSETTE RECORDER



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Tuner, Volume and	71000001100 1110 1111 1 1 1 1 1 1 1 1
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Specifications

DIMENSIONS: 55.4 cm(W) x 30.3 cm(H) x 15.1 cm(D)

TUNER SECTION

Frequency Ranges : FM 88 - 108 MHz

MW 540 – 1600 kHz LW 150 – 350 kHz SW1 2.3 – 6.0 MHz SW2 5.95 – 6.2 MHz SW3 6.0 – 18.0 MHz

RECORDER SECTION

Tape Speed : 4.8 cm/s (1-7/8 ips)

Track System : 4-track 2-channel stereo Recording System : AC Bias

Erasing System : AC Erasing
Fast Forward Time : Within 110 sec. (C-60 cassette)

Fast Forward Time : Within 110 sec. (C-60 cassette)
Rewinding Time : Within 110 sec. (C-60 cassette)

Wow & Flutter : 0.065 % (WRMS)

AMPLIFIER SECTION

WEIGHT: Approx.

Speakers : $16 \text{ cm } (6-1/2'') \times 2$, $5 \text{ cm } (2'') \times 2$

9.0 kg (with batteries)

Power Output : Max. 30 W (15 W + 15 W)
Input Jacks : MIC x 2 (low impedance)

Input Jacks : MIC x 2 (low impedance)
Phono x 2 (3 mV, 47 k Ω)
Output Jacks : Ext. Speaker x 2 (8 Ω)

Output Jacks : Ext. Speaker x 2 (8 Ω) Headphones (8 – 32 Ω)

Input/Output Jack DIN POWER CONSUMPTION: 47 W (L), 44 W (LB)

POWER CONSOINT HON. 47 W (E), 44 W (ES)

SEMICONDUCTORS

ICs : 12 (includes microphones)
Transistors : 49 (includes motor governor)

Diodes : 64

POWER SOURCE

DC : 15 V, 10 "D", "R20" cells or

equivalent

AC : 240/220/110 V, 50/60 Hz

Design and specifications subject to change without notice.

Operating Principle of MULTI MUSIC SCANNER

(Automatic program selection facility)

This is basically identical with the RC-343/646's MULTI MUSIC SCANNER (MMS) facility. The only difference is the use of the newly developed AN6260 IC which enables skipping of more programs.

Features

- 1) It is possible to skip up to 8 programs.
- 2) Used together with the PAUSE button, it is possible to skip 9 to 16 programs.
- 3) If the number of programs to be skipped is not set, the next program will be automatically selected.

AN6260

- 1) This IIL logic LSI incorporates a dynamic LED drive matrix.
- 2) When the AN6260 is operating, the output signal is muted because otherwise noise would be developed due to dynamic drive of LEDs.

Block Diagram of MMS

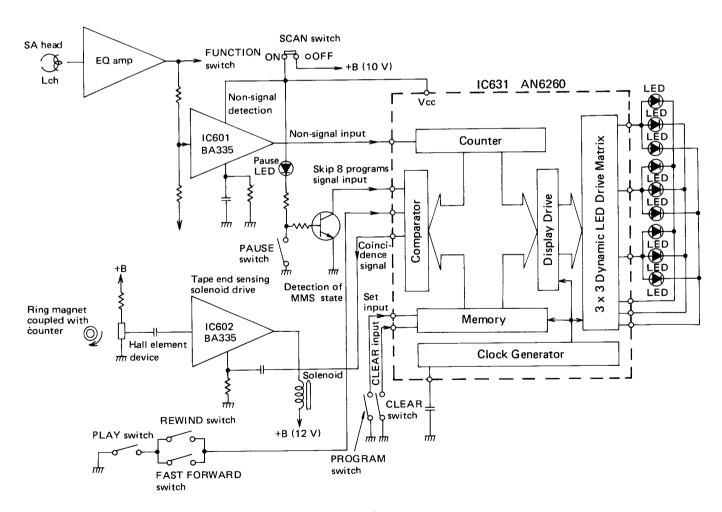


Fig. 1

Main Parts Location

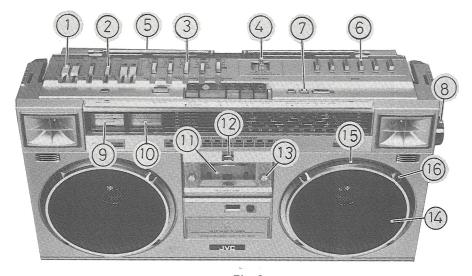


Fig. 2

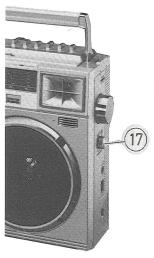


Fig. 2'

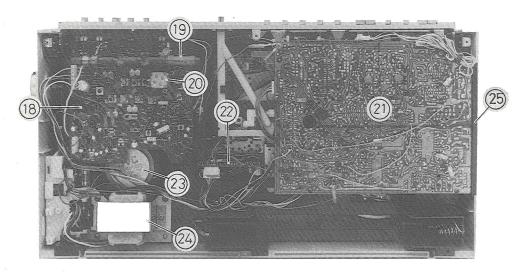


Fig. 3

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VXS4027-002	Knob	VOLUME, REC LEVEL	4
2	*VXS4028-002	" BASS, TRE		2
3	*VXS4026-001	"	REC, TAPE, LOUDNESS, MODE	6
4	*VXQ4028-001	Lever Cap	FUNCTION	1
5	QZR4147-001U	Rod Antenna		2
6	*VXP4054-001	Push Button	BAND, REC MUTE	7
7	*VXP4053-003	Knob	PROGRAM, CLEAR	2
8	*VXL4109-001	"	Tuning	1
9	*VGM0320-006	Indicator	L-Channel	1
10	*VGM0320-005	"	R-Channel	1
11	*VJT3045-001	Cassette Lens		1
12	TJL271485-01	Head Mark	SA	1
13	TJA345525-01	Special Screw		2
14	*VJD3198-001	Speaker Net		2
15	*VJD3199-001	Speaker Ring		
16	VJD4008-001	Special Screw		8
17	*VXKM520-20011	Knob	Fine Tuning	1
18	*	Circuit Board Ass'y	Tuner	1
19	VQB016B-302	Bar Antenna	L8,9	1

Ref. No.	Parts No.	Parts Name	Description	Q'ty
20	QAP1224-511V	Variable Capacitor	C1 – 8	1
21	* _	Circuit Board Ass'y	Amplifier	1
22	* _	"	Auto Stop	1
23	, *EAS16P182S	Speaker	SPK301, 401	2
24	★ VTP66N2-15B	Power Transformer	T681	1
25	*VJD3208-001	Jack Board		1

Notes

- Asterisked parts (*) show "NEW PARTS". Other parts are all "CURRENT PARTS"; therefore, check your inventory and order situation before placing new order to avoid making extra stock.
- 2. The circuit board assemblies and whole assembly of cassette mechanism in this model will not be available as spare parts.
- 3. The parts marked riangle are the important parts for safety assurance.

Use the specified part, when replacing the safety assurance part, never use an equivalent one.

Removal of Parts - Remove parts in the sequence (1) to (4). -

1. Rear cabinet

- Remove eight screws ① through ⑧ (① to ③: SDSP3012RS, ④ to ⑧: SBSF3040R).
- Disconnect three connector wires (white and orange from the rod antenna and black from the shield plate).

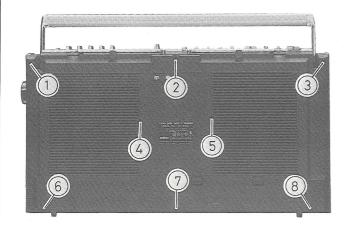


Fig. 4

2. Top panel

- Remove six knobs (VOLUME, TONE, and REC LEVEL controls).
- Remove four screws 1) through 4 (SBSF3020C).

Note: When reassembling, remove six slide knobs from the top panel first. After installing the panel, fit the knobs to the slide switches.

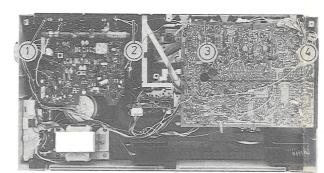


Fig. 5

3. Chassis assembly

- Move the dial needle to the left or right end.
- Remove two knobs (tuning and fine tuning). Remove two touch knobs of the automatic program selection facility MMS (see Note marked *).
- Open the cassette holder.
- Remove four screws ① through ④ (SBSB3014C).
- \bullet Disconnect 4P and 5P connectors $\ensuremath{\mbox{\ \ ee}}$ and $\ensuremath{\mbox{\ \ \ ee}}$.
- Disconnect two connector wires (C) and (D).

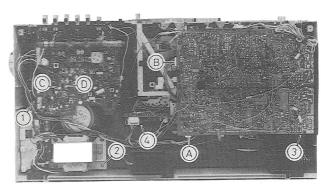


Fig. 6

Note: When reassembling, adjust the needle position with reference to the dial string.

*Note: When removing the touch knob, hold the movable part of the switch (see below) because the switch may be damaged.

Holding this part, remove the touch knob.

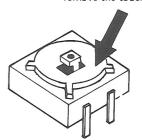


Fig. 10

3. Tuner circuit board

- Move the dial needle to the left or right end.
- Remove six screws (1) through (6) (SBSB3012V).
- Remove wire clamp D

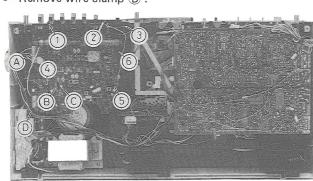


Fig. 7

Note: When reassembling, adjust the dial drum position with reference to the arm of the variable capacitor.

4, Amplifier circuit board

- Remove five screws 1 through 5 (SBSB3012V).
- Remove wire clamp (A) .
- Disconnect two 3P and one 8P connectors

 (a)
 (b)
 (c)
 (d)

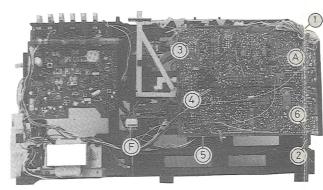


Fig. 8

Note: Remove four screws (①, ②, and A: SBSB3012Z, ⑥: SBSB3012Z) and the jack board comes off.
When reassembling, adjust the position of the FUNCTION switch with reference to the lever.

4. Cassette mechanism

- Remove seven screws ① through ⑦ (SBSB3012C).
- Disconnect 8P sockets (F) (see the Figure on the left).
- Raising the motor slightly, slip it out toward you.

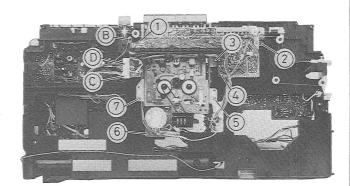


Fig. 9

Note: Remove 3P and 8P connectors © and ① and the cassette mechanism can be completely separated from the chassis.

Removal of Parts of Cassette Mechanism

- See the "Exploded view of cassette mechanism". -

Removal of pinch roller assembly (48)

 Remove E-ring 50 . Note: Do not lose spring 49.

Removal of record/play head 26

 Remove two screws 30 and 31. Note: Unsolder the head board if the head is to be replaced.

Removal of erase head 32

• Remove two screws 35 .

Removal of reel disk assembly 58

Remove E-ring 60 .

Note: When removing the supply reel disk, do not lose back tension spring 59 under the disk.

Removal of rewind idler (54)

Remove E-ring (55) .

Removal of main belt (1) and flywheel (1) • Remove six screws (11) , (11) , (16) , and (16) . Note: Do not lose thrust adjusting spring (11) .

When removing the flywheel, do not lose oil prevention washer in on the capstan shaft.

Removal of FF idler assembly 69

1. Remove flywheel (18) .

2. Remove E-ring ① .

3. Remove three springs ① , ⑤ , and ⑦ .

Removal of clutch assembly 66

1. Remove flywheel (18) .

2. Remove spring 67).

3. Remove E-ring 68 .

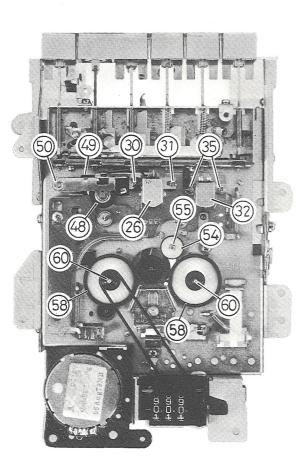


Fig. 11

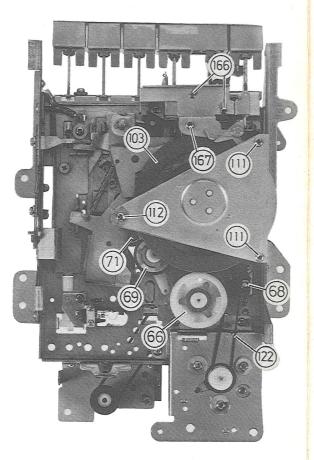


Fig. 12

Specifications of Cassette Mechanism

Check the following items after cassette mechanism parts are replaced.

Item	Requirements	Test equipment	Test tape
1. Source voltage	Rated voltage: 12 V DC Motor operating voltage range: 8.4 — 15 V DC	Regulated power supply	
2. Tape speed	4.75 cm/sec +3 % (3,000 Hz) -2 % Deviation 2 %	Frequency counter (digital counter)	VTT-655
3. Wow & flutter	Less than 0.14%(CCIR,WTD)	Wow meter	VTT-655
4. Take-up torque	PLAY 40 - 70 g.cm FF 100 - 160g.cm	During FF and rewind, the idlers, reels and flywheel should not slip against each other when the reels are locked. Torque dial gauge (Tonichi or	
	REW 100 — 160g.cm	equivalent)	N.
5. Current consumption (of motor alone)	PLAY 100 mA or less FF 200 mA or less REW 200 mA or less	DC ammeter	C-60 (Take-up torque should be normal when tape is used.)
6. Pinch roller pressure	350 — 500 g	Tension gauge Pull the pinch roller perpendicularly and read the gauge when the pinch roller just stops.	<u></u>
7. Áxial clearance of flywheel	0.1 – 0.4 mm	Clearance gauge	
8. Head position during PLAY and RECORD	3.5-1-6-1-6-1	During PLAY(RECORD), the dimensional requirements given here must be met, and the heads must not contact the cassette case.	Any cassette tape
9. Head position during cueing	O O REC/PL	The dimensional require- ment given here must be met when the PLAY and FF (REW) buttons are locked simultaneously. AY Head	
10. Auto-stop operation	the end of tape during PLAY	vith a reduced voltage of 6.5 V at //RECORD, FF, and REW. as that of the amplifier is applied.	Any cassette tape
11. Cueing operation	Lock PAUSE, PLAY, and FF instantly to the solenoid afte FF (REW) buttons should be should be supplied with 6.5		
12. Timer recording mechanism		RECORD mode, PAUSE button V is applied to the solenoid. The th 6.5 V.	

Adjustment of Cassette Mechanism

• Pinch roller pressure

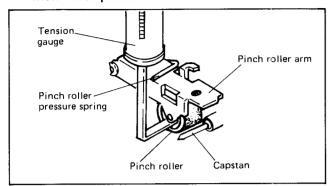


Fig. 13

- 1) Stand the mechanism upright with the motor side facing downward. Set it in the PLAY mode. Pull the projected part of the pinch roller arm slowly with a tension gauge. The gauge should read 350 500 grams when the pinch roller just stops to rotate.
- 2) If the gauge reading is outside the given range, replace the pinch roller spring or adjust by bending it.
- If the pressure is too great, the pinch roller bearing may generate noise. Wow & flutter may be caused when the pressure is too great or weak.

Playback torque

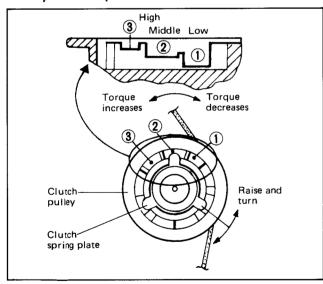


Fig. 14

- 1) Install a torque gauge on the take-up reel disk. Put the mechanism in the PLAY mode. The gauge reading should be 40 70 g.cm.
- 2) If the gauge reading is outside the given range, check rubber and rotating parts for the adherence of dirt and oil first. Then, if the torque is low, move the clutch spring plate to position ③ by slightly raising it. If the torque is high, move the plate to position ①.

Fast forward/rewind torque

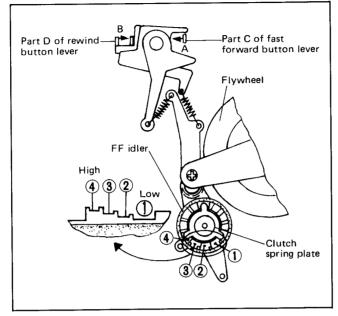


Fig. 15

1. Fast forward torque

Fit a torque gauge to the take-up reel disk and put the mechanism in the fast forward state. The gauge reading should be $100-160~\rm g.cm$.

- 1) If the torque is outside the given range because of insufficient pressure of the FF idler against the flywheel or unstable operation of the FF idler freewheel mechanism, bend part © of the fast forward button lever in direction A or move the FF idler clutch spring plate up and in the direction of ①.
- 2) If the torque is not correct even when the FF idler freewheel mechanism operates properly, move the FF idler clutch spring plate in the direction of (4).

2. Rewind torque

Fit a torque gauge to the rewind reel disk and put the mechanism into the rewind mode. The gauge reading should be 100 - 160 g.cm.

- 1) If the torque is outside the given range because of insufficient pressure of the FF idler against the flywheel or unstable operation of the FF idler freewheel mechanism, bend part ① of the rewind button lever in the direction of B or move the FF idler clutch spring plate up and in the direction of ①.
- 2) If the torque is not correct even when the FF idler freewheel mechanism operates properly, move the FF idler clutch spring plate in the direction of 4.

Note: The torque may be incorrect if the rubber parts (the belt and idlers and the circumference of the flywheel) are not clean. If they are dirty, clean them with alcohol.

Adjustment of Cassette Recorder Amplifier

Conditions

Source power:

15 V DC

Measurement: Switch setting: at DIN OUT terminal FUNCTION: TAPE or DIN IN

REC: MANU

TAPE: NORMAL or METAL

LOUDNESS: OFF

REC LEVEL: at maximum
BEAT CUT: "1 (NORMAL)"

Adjust in the following sequence.

1) Head azimuth

Connect an oscilloscope to the DIN OUT terminals. Using test tape VTT-658 (10 kHz, -15 dB), adjust so the phase difference between the L and R outputs is 0° and maximize the output level at the same time.

2 Tape speed

Connect a frequency counter to the DIN OUT terminals. Playing back test tape VTT656 (3,000 Hz), adjust the semi-fixed resistor in the motor so that the frequency counter reads 3,010 \pm 10 Hz.

Playback level

Connect an electronic voltmeter to the DIN OUT terminals. Playing back test tape VTT664 (1 kHz, 16 mM), adjust VR302 and VR402 so that the voltages become 500mV.

(4) Recording current

Apply 1 kHz (-24 dBs) to the DIN IN terminals. Cut off bias. Adjust VR303 and VR403 so that current of 37 μ A (0.37 mV/10 ohms) flows through the head. Then adjust VR305 and VR405 so that the VU meter reads 0 dB.

5 Bias frequency

Connect a frequency counter across TP301 and 302. Adjust L501 so that the counter reads 68.5 kHz.

6 Bias current

METAL: Connect an electronic voltmeter across TP301 and 302 (TP401 and TP402). Adjust VR301 and VR401 so that the voltmeter reads 5.5 mV/10 ohms (550 μ A). NORMAL: Adjust VR304 and VR404 so that the voltmeter reads 2.8 mV/10 ohms (280 μ A).

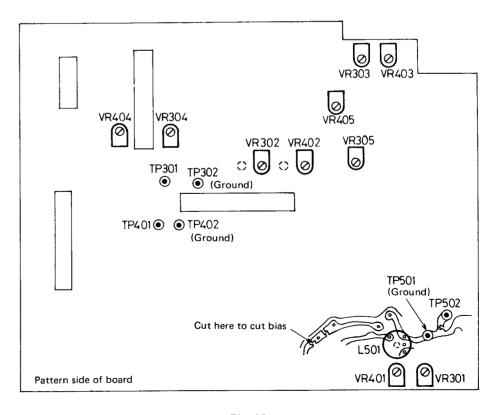
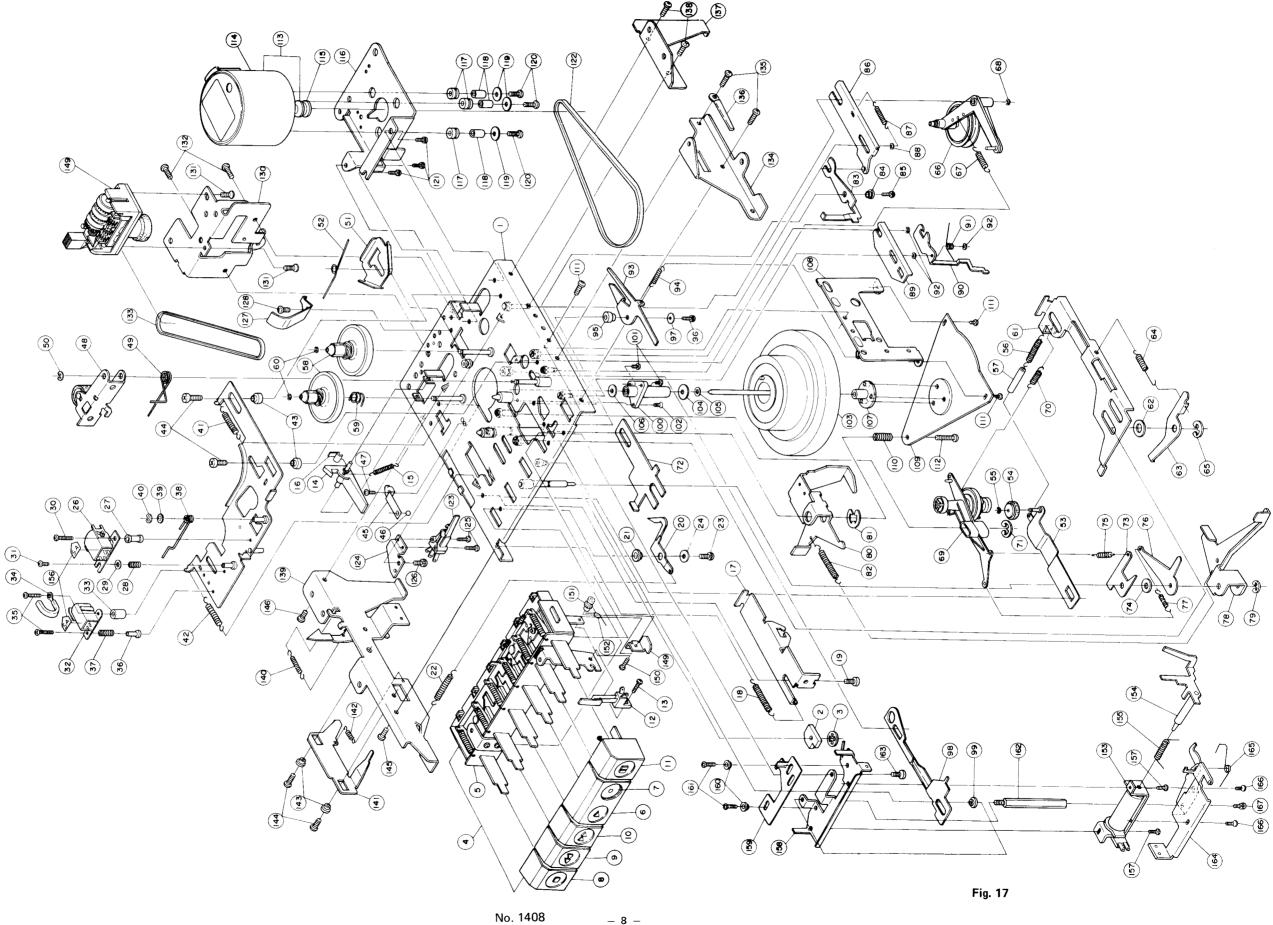


Fig. 16

Exploded View of Cassette Mechanism



Parts List of Cassette Mechanism

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*15160181ZT	Mechanism Chassis		1
2	9700106T	Rubber Sheet		1
3	RDS3000F	CS Ring		1
4	*15160271ZT	Push Button Switch Ass'y		1
5	*15160291ZT	"		1
6	*VXP3043-001	Push Button	PLAY	1
	1	' usii button	REC	1 1
7	*VXP3044-001	,,	STOP/EJECT	1
8	*VXP3045-001	"		1
9	*VXP3045-002		REW/REVIEW	
10	*VXP3045-003	,,	FF/CUE	1
11	* VXP3045-004	"	PAUSE	1
12	13350216T	Leaf Switch	VSH1105-001 S634	1
13	SPSP2605Z	Screw	_	1
14	2680503T	Record Safety Lever		1
15	1320303T	Spring		1
16	2680515T	Stopper		1
17	13340301T	Record Slide Lever		1
18	581308T	Spring		i
	1	Color Screw B		1
19	11050202T			
20	13340308T	Stopper V		1
21	030304T	Collar		1
22	1450802T	Spring		1
23	SDSP2608Z	Screw		1
24	WNS2600Z	Washer		1
25	13350482ZT	Head Panel Ass'y		1
26	ZMM074401-0D	Rec/Play Head	SA	1
27	790501T	Rec/Play Head Collar		1
28	480408T	Spring		1
29	WSS2000Z	Washer		li
30	i I	Screw		
	SPSP2011Z	Screw "		1
31	SPSX2006Z	- II I	6.4	1
32	ZMM090414-0A	Erase Head	SA	1
33	*15160401T	Erase Head Collar		1
34	11030405T	Wire Clamp		1
35	SPSP2011Z	Screw		2
36	* 15160402T	Erase Head Stud		1
37	480408T	Spring	Erase Head	1
38	13340801T	RQ Spring		1
39		Special Washer	$\phi 3.3 \times \phi 8 \times t0.3$	1
40	REE2500	E-Ring	φοιο χ φο χ τοιο	1
41	4080413T	Spring		
		Spring "		1
42	180606T			2
43	4080411T	Collar		
44	SDSP2604Z	Screw		2
45	10630410T	Spring Plate		1
46	020404BT	Steel Ball	φ3	1
47	SPSD2604Z	Screw		1
48	*15160481ZT	Pinch Roller Ass'y		1
49	6680501T	Pinch Roller Spring		1
50	REE2000	E-Ring		1
51	4080901T	Brake Arm		1
52	8200902T	Spring		1
	1	Rew Idler Arm Ass'y		1
53	9701081ZT			1
54	2110902T	Rew Idler		i
55	REE1500	E-Ring		1
56	020905BT	Spring		1
5,7		Tube	φ3.5 x L24	1
58	11010695ZT	Reel Disc Ass'y		2
59	*15160601T	Spring	For back tension	1
60	REE1200	E-Ring		2

Ref. No.	Parts No.	Parts Name	Description	Q'ty
61	10710903T	Brake Operating Plate		1
62	110505T	Special Washer	ϕ 6.1 × ϕ 10 × t0.5	1
63	4080807T	RQ Lever		1
64	5580211T	Spring		1
65	REE4000	E-Ring		1
66	*13120791ZT	Clutch Ass'y		1
67	2380406T	Spring		;
68	REE2000	E-Ring		
69	13350891ZT	FF Idler Ass'y		
70	581316T	Spring		
71	REE4000	E-Ring		1
72	11820806T	RQ Operating Plate		
73	13350801T	Rew Operating Plate		1
74	110505T	Special Washer		1
75	8780803T	Spring		1
76	4080804T	FF Operating Plate		1
77	8780303T	Spring		1
78	13340304T	Record Lever		1
79	REE3000	E-Ring		1
80	*15160303T	Record Kick Lever		1
81	REE5000	E-Ring		1
82	581308T	Spring		1
83	4081503T	Arm Lever		1
84	2381304T	Collar		1
85	LPSP2605Z	Ass'y Screw		1
86	4081581ZT	Slide Lever Ass'y		
87	4081510T	Slide Lever Spring		
88	REE2000	E-Ring		1
89	5581681ZT	Pause Slide Lever Ass'y		1
90	12391705T	Pause Lever	PARAMONE AND A STATE OF THE STA	1
91	5421803T	Pause Spring		1
92	REE1500	E-Ring		3
93	4081405BT	Auto Lever		1
94	4081407T	Spring		1
95	13341401T	Collar		1
96	LPSP2608Z	Ass'y Screw		1
97	7061501T	Special Washer		1
98	13340209T	Rec/Play Slide Lever		i
99	090302T	Collar		1
100	*15161102ZT	Flywheel Metal Ass'y		1
	LPSP2005Z	Ass'y Screw		2
101		1 -		i
102	SSSP2005Z	Screw		1
103	12391101ZT	Flywheel Ass'y		1
104	11011106T	Special Washer	F.L.	1
105	11011107T	"	F.L.	11
106	7131108T	"	Oil cut	1
107	12391102T	Flywheel Bearing		1
108	12391103T	Flywheel Bracket (A)		1
109	7131106T	" (B)		1
110	580210T	Spring		1
111	LPSP2604Z	Ass'y Screw		3
112	SPSP2612Z	Screw		1
113	*12391293ZT	Motor Ass'y	with Pulley	1
114	*MHI-5E2RDPB	Motor	with fulley	1
	1	1		1
115	9731202MT	Motor Pulley		1
116	8201201T	Motor Bracket		1
117	T45687-001	Rubber Cushion		3
118	4081211T	Motor Collar		3
119	031512T	Washer		3
120	SPSP2607Z	Screw		3

Ref. No.	Parts No.	Parts Name	Description	Q'ty
121	LPSP2604Z	Ass'y Screw		3
122	9731201CT	Main Belt		1
123	6251804T	Main Switch	S506	1 1
124	8201801T	Main Bracket		1 1
125	SDSP2008Z	Screw		2
126	LPSP2604Z	Ass'y Screw		1
127	6010101T	Back Spring		1
128	SPSP2604Z	Screw		
129	*VKC5129-001T	Tape Counter		1
130	* 15161601T	Counter Bracket		1
131	SSSB2608Z	Screw		2
132	SPSD 2604Z	"		2
133	8001602T	Counter Belt		į.
134	* 15161802T	Side Bracket (A)		1
135	SPSD 2604Z	Screw		1
136	4660901T	Wire Clamp		2
137	*15161803T	Side Bracket (B)		1
137	SPSD 2604Z	Screw		1
139	!			2
140	*15161381ZT	Eject Bracket Ass'y		1
	581205T	Spring		1
141	15161302T	Eject Lever		1
142	581205T	Spring		1
143	9071904T	Collar		2
144	SPSD 2606Z	Screw		2
145	SPSD3010Z	"		1
146	SPSD 2604Z	"		1
147			Blank No.	
148			Blank No.	
149	* 15160212T	Pause Lever Bracket		1
150	13350295T	Special Screw		1
151	13350217T	Collar		1
152	13350218T	Spring		1
153	10411481ZT	Arm Ass'y		1
154	* 15161481ZT	Plunger Ass'y		1
155	12391620T	Spring		1
156	THC037417-02	Head Plate	SA Mark	2
157	SPSP2003Z	Screw	₩ .	2
158	13351702T	Bracket (R)		1
159	8781612T	Auto Lever Plate		1
160	8781613T	Collar		2
161	SDSP2004Z	Screw		2
162	12391601T	Ass'y Stud		1
163	SDSP2605Z	Screw		1
164	12391781ZT	Pause Plate Ass'y		1
165	12391704T	Spring		1
166	SPSP2003Z	Screw		2
167	LPSP2605Z	Ass'y Screw		1

Tuner Alignment

Output Measuring: Speaker terminal (Impedance =3.2 Ω), output level 50mW (0.4V/3.2 Ω)

AM IF & RF Alignment

Input (SSG)

Modulation 400Hz, Modulated to 30%

Step	Frequency		Input Signal	Place to be	Set the V.	
	Band	Frequency	Given to	aligned	Capacitor to	
1	MW	455kHz	Loop Antenna	T4,5,3	Minimum	
2	(IF)		Repeat the Step 1, and adjust	for no further improvem	ent.	
3		145kHz	Loop Antenna	L14	Maximum	
4		360kHz	Loop Antenna	C68	Minimum	
5	LW		Repeat the Steps 3 & 4.			
6		160kHz	Loop Antonno	L9	160kHz Signal	
7		350kHz	Loop Antenna	C65	350kHz Signal	
8			Repeat the Steps 6 & 7, and ac	ljust for no further impro	ovement.	
9		520kHz	Loop A-t	L13	Maximum	
10		1650kHz	Loop Antenna	C71	Minimum	
11	MW		Repeat the Steps 9 & 10.			
12	(0100	600kHz	Loop Anton-	L8	600kHz Signal	
13		1400kHz	Loop Antenna	C64	1400kHz Signal	
14		Repeat the Steps 12 & 13, and adjust for no further improvement.				
15		2.2MHz	Rod Antenna through	L15	Maximum	
16		6.3MHz	Dummy Antenna	C69	Minimum	
17	SW1		Repeat the Steps 15 & 16.			
18	311 1	2.3MHz	Rod Antenna through	L10	2.3MHz Signal	
19		6.0MHz	Dummy Antenna	C66	6.0MHz Signal	
20			Repeat the Steps 18 & 19, and	adjust for no further improvement.		
21		5.90MHz	Rod Antenna through	L16	Maximum	
22		6.30MHz	Dummy Antenna	C70	Minimum	
23	SW2	F	Repeat the Steps 21 & 22.			
24		5.9MHz	Rod Antenna through	L12	5.9MHz Signal	
25		6.3MHz	Dummy Antenna	C67	6.3MHz Signal	
26		F	Repeat the Steps 24 & 25, and a	adjust for no further imp	rovement.	
27		5.8MHz	Rod Antenna through	L17	Maximum	
28		18.6MHz	Dummy Antenna	C8	Minimum	
29	SW3	F	Repeat the Steps 27 & 28.		<u> </u>	
30		6MHz	Rod Antenna through	L11	6MHz Signal	
31		18MHz	Dummy Antenna	C7	18MHz Signal	
32		R	lepeat the Steps 30 & 31, and a	adjust for no further imp	1	

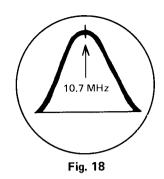
FM IF & Discriminator Alignment

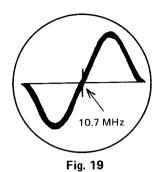
Input (Sweep Generator): TP3 (hot) & TP2

Output (Oscilloscope) : IF TP4 (hot) & TP7

Discriminator TP6 (hot) & TP7

Step	Mode	Place to be aligned	Wave form
1	1F	T1	Fig. 18
2	Discriminator	T2	Fig. 19





FM RF Alignment

Input (SSG): Use 75 Ω terminal, modulation 400 Hz modulated to 22.5 kHz deviation. Connect Hot side to TP1 and Cold side to TP2.

Frequency	In	Input Signal		Set the V.	
Step	Band	Frequency	Given to	aligned	Capacitor to
1		87.5 MHz	-nn.	L4	Maximum
2		109 MHz	TP1 & TP2	C4	Minimum
3	-	Rep	eat the Steps 1 & 2.		
4	FM F	90 MHz	TD4 0 TD0	L1	90 MHz Signal
5		106 MHz	TP1 & TP2	C2	106 MHz Signal
6		Repeat the Steps 4 & 5, and adjust for no further improvement.			

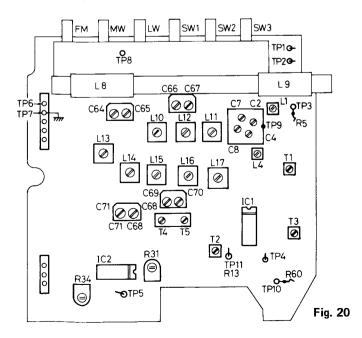
FM MPX Alignment

- A. 19 kHz Alignment (regular Method)
 - 1. Connect a frequency counter to the test point TP5.
 - 2. Adjust the variable resistor R31 so that the frequency becomes 19 kHz ± 250 Hz.
- B. 19 kHz Alignment (Simplified Method)
 - 1. Tune to a FM stereo broadcast.
 - 2. Set the variable resistor R31 to the center position of the range in where the stereo indicator keeps lighting.

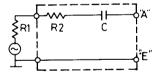
C. Separation Alignment

- Connect a FM stereo signal generator across the test points TP1 & TP2. (98 MHz, 60 dB)
- 2. Connect a V.T.V.M. or oscilloscope across the test points TP6 & TP7.
- 3. Adjust the variable resistor R34 to minimize the output of right channel signal.

Parts Arrangement for Alignment



Dummy Antenna



 $R1 + R2 = 80 \Omega$

C = 10 pF

R1: Output impedance of S.S.G.

Fig. 21

How to Engage Dial Cord

- 1. Turn the dial drum fully counterclockwise (to the lowest frequency).
- Use Kevlar cord (1,910 mm long and 0.5 mm in diameter).
- 3. Install the string in the sequence of the numbers.
- 4. Align the needle holder (disk) with the white circle mark on the MMS LED Circuit Board.

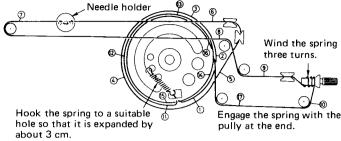
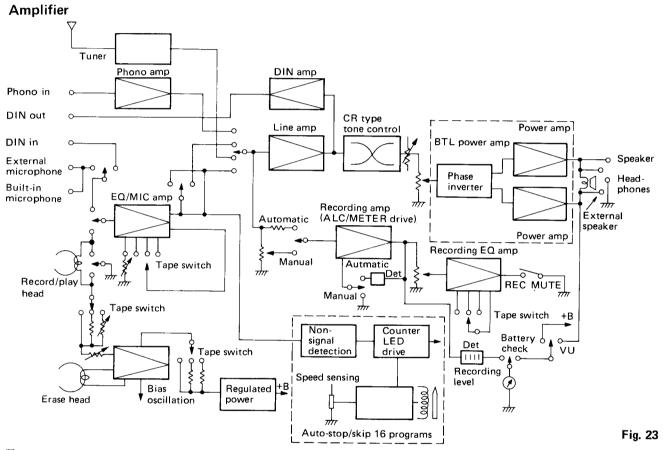
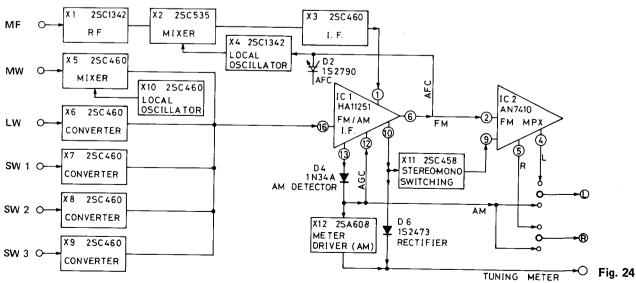


Fig. 22

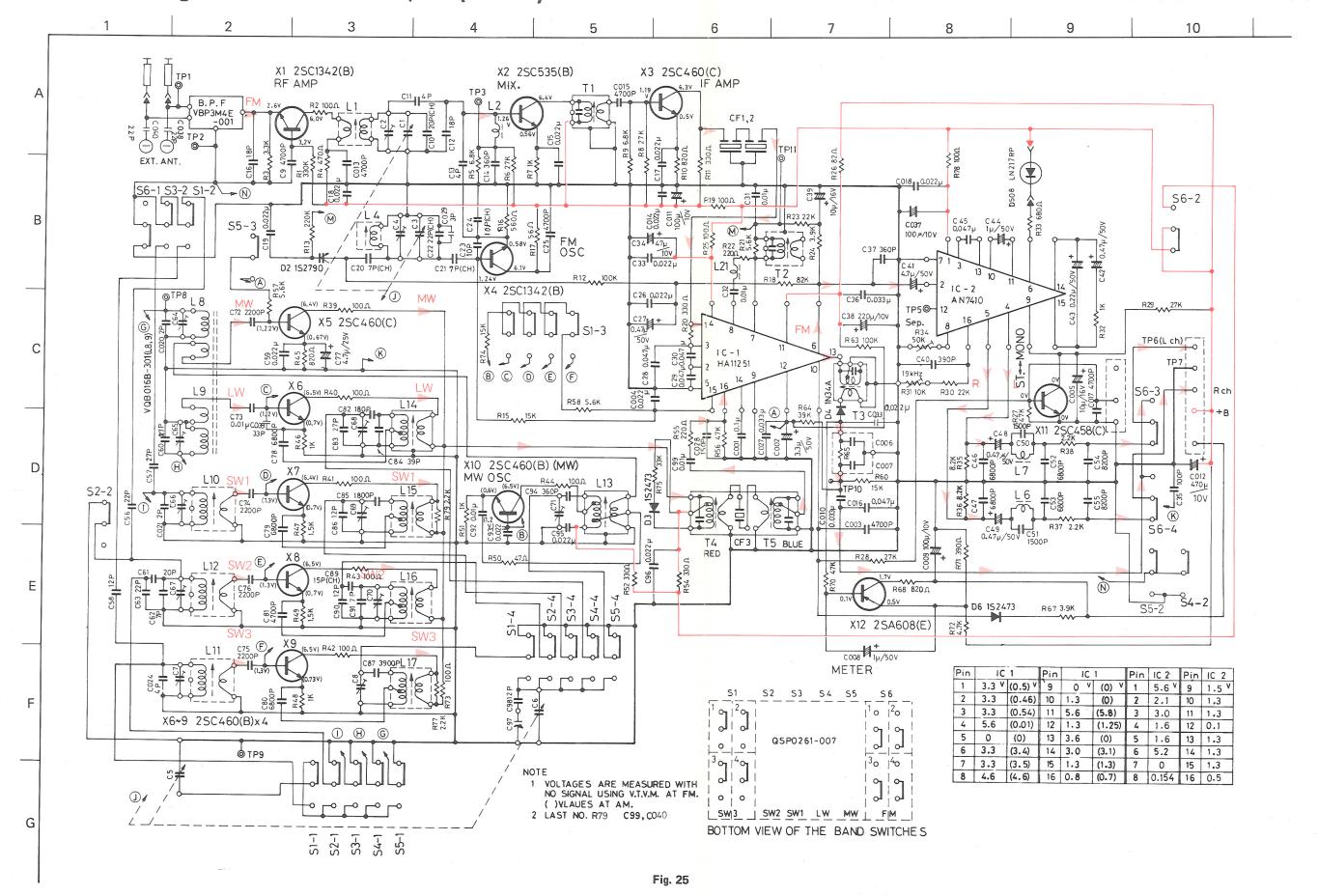
Block Diagrams



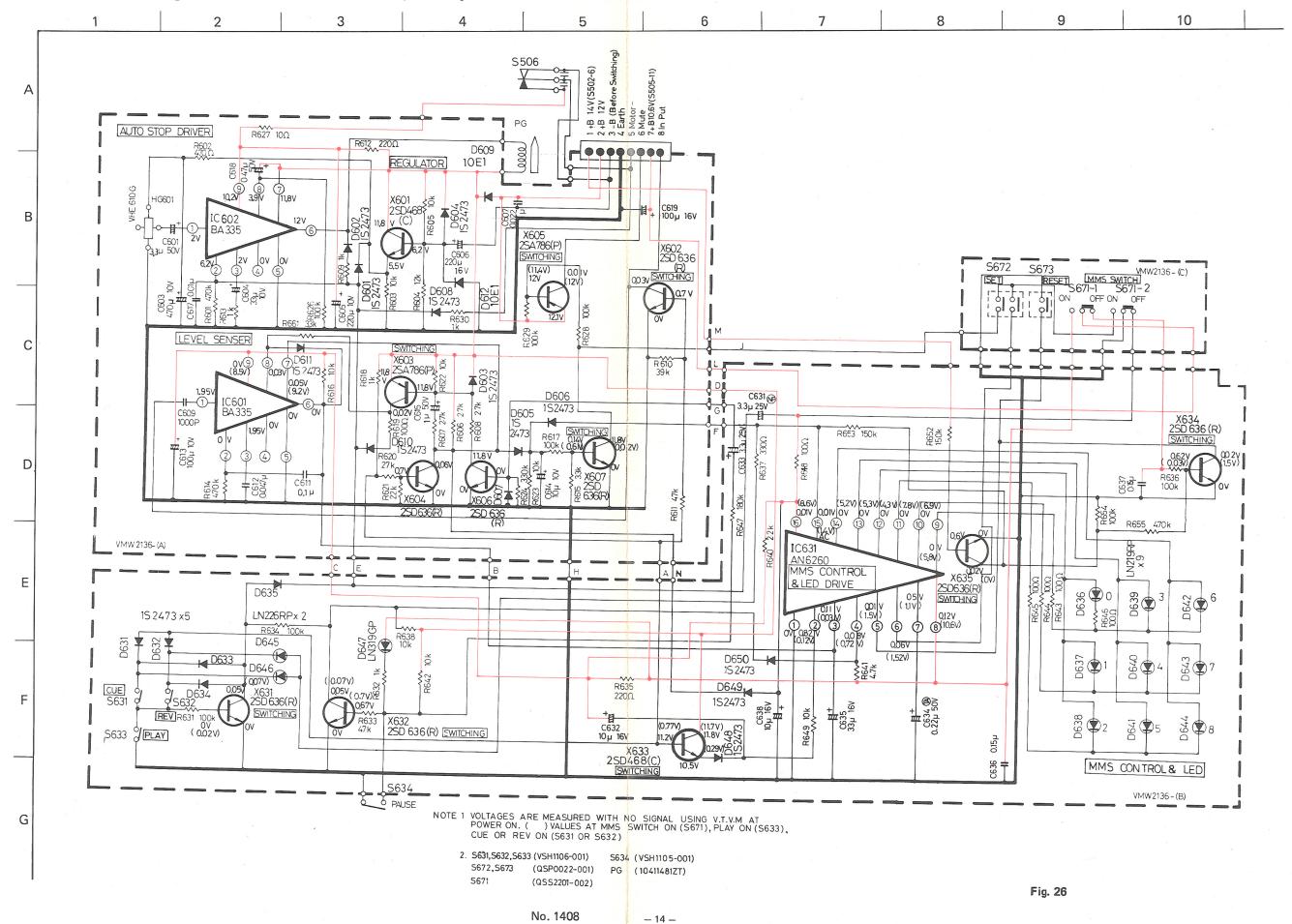




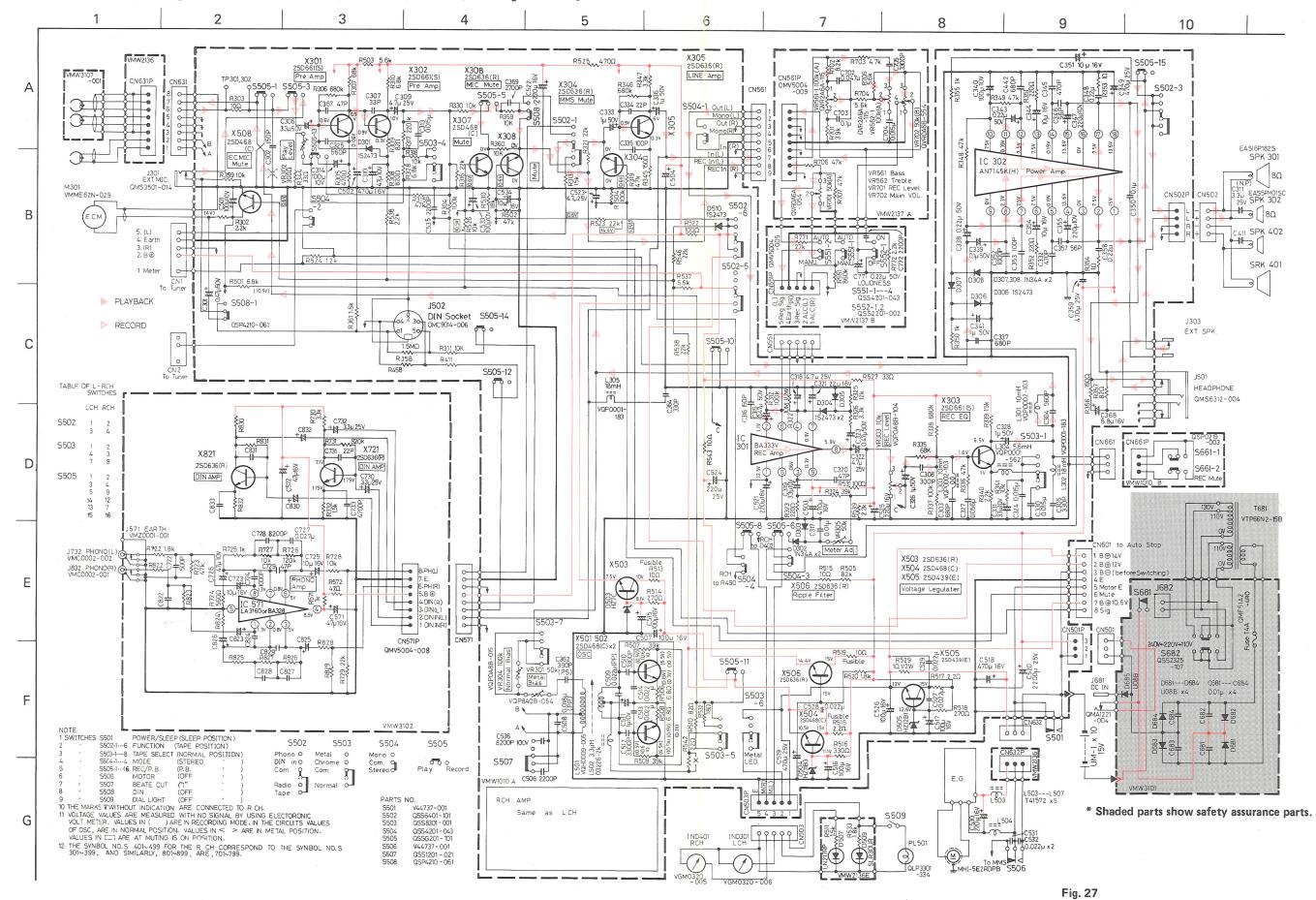
Schematic Diagram of RC-M70L/LB(Tuner)



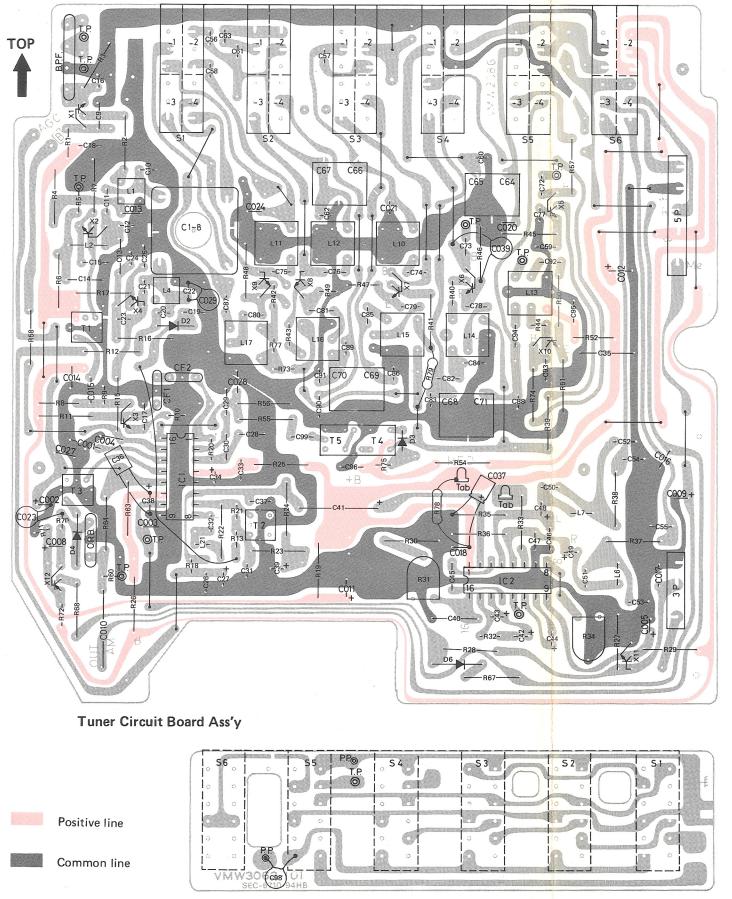
Schematic Diagram of RC-M70L/LB(MMS Control)



Schematic Diagram of RC-M70L/LB (Amplifier)



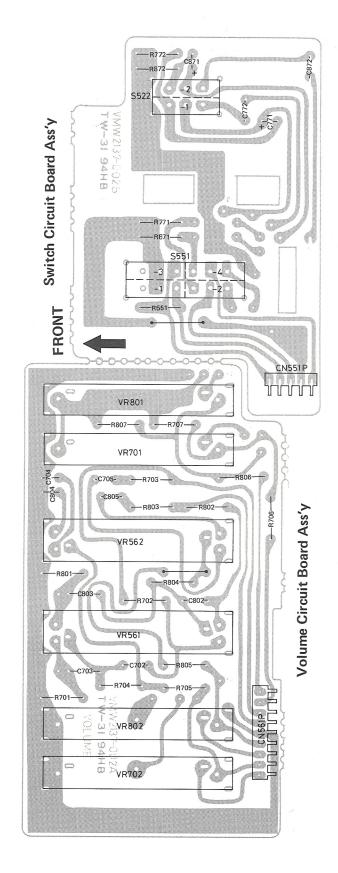
Tuner, Volume and Switch Circuit Board Assemblies





No. 1408

– 16 –



Note: The circuit board assembly will not be available as spare part.

Tuner Circuit Board Ass'y

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X1,4	2SC1342(B)	Silicon (HITACHI)	0.1 W	250 MHz
X2	2SC535(B)	" (")	"	940 MHz
X3,5	2SC460(C)	" (")	0.2 W	230 MHz
X6,7,8,9,10	2SC460(B)	" (")	"	"
X11	2SC458(C)	" (")	"	"
X12	2SA608(E)	" (SANYO)	0.1 W	180 MHz

ICs & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC1	HA11251	Integrated Circuit	HITACHI
IC2	AN7410	"	MATSUSHITA
D2	MA345	Vàriable Capacitance Diode	"
D3,6	1S2473	Silicon Diode	TOYO DENGU
D4	1 N34A	Germanium Diode	HITACHI

Resistors

Ref. No.	Parts No.	Parts Name	Desc	ription
R1	QRD143K-334	Carbon	330 kΩ	1/4 W
R2,19,25,39,41,78	QRD141K-101	"	100 Ω	"
R3	" -332	"	$3.3\mathrm{k}\Omega$	"
R4	" -471	"	470 Ω	"
R5	" -682	"	6.8 kΩ	"
R6,28,29	" -273	"	27 kΩ	"
R7,46,48,51	" -102	"	1 kΩ	"
R8	QRD143K-273	"	27 kΩ	"
R9	" -682	"	$6.8~\mathrm{k}\Omega$	"
R10	" -821	"	820 Ω	"
R11,54	QRD141K-331	"	330 Ω	"
R12,27,63	" -104	"	100 k Ω	"
R13	QRD143K-224	"	220 k Ω	"
R15,60,74	QRD141K-153	"	15 kΩ	"
R16	″ -561	"	560 Ω	"
R17	" -560	"	56 Ω	"
R18	QRD143K-823	"	82 k Ω	"
R20,52	" -331	"	330 Ω	"
R21	" -562	"	$5.6\mathrm{k}\Omega$	"
R22,55	QRD141K-221	"	$220~\Omega$	"
R23,30	" -223	"	22 kΩ	""
R24,67	" -392	"	3.9 kΩ	"
R26	" -820	"	82 Ω	"
R31	QVP8A0B-014	Variable	10 kΩ	B-curve
R32	QRD143K-152	Carbon	1.5 kΩ	1/4 W
R33	QRD141K-681	"	680 Ω	"
R34	QVP8A0B-054A	Variable	50 kΩ	B-curve
R35,36	QRD141K-822	Carbon	8.2 k Ω	1/4 W
R37,38,79	" -222	"	$2.2~\mathrm{k}\Omega$	"
R40,42,43,44,73	QRD143K-101	"	100 Ω	"
R45,68	QRD141K-821	"	820 Ω	"

Resistors

Ref. No.	Parts No.	Parts Name	Des	cription
R47,49	QRD143K-152	Carbon	1.5 kΩ	1/4 W
R50	QRD141K-470	"	47 Ω	"
R56	" -473	"	47 kΩ	11
R57,58	" -562	"	5.6 k Ω	"
R64	" -393	"	39 kΩ	"
R70	QRD143K-473	"	47 kΩ	","
R71	" -391	"	390 Ω	"
R72	′′ -472	"	4.7 kΩ	"
R75	" -333	"	$33~\mathrm{k}\Omega$	"
R77	QRD143K-222	Carbon	$2.2~\mathrm{k}\Omega$	1/4 W

Capacitors

Ref. No.	Parts No.	Parts Name	[Description
C1~8	QAP1224-511V	Variable		
C9,25,003,013,015,	QCF11HP-472	Ceramic	4700 pF	50 V
017				
C10	QCT05CH-200	"	20 pF	"
C11,13,024	QCS11HJ-4R0	"	4 pF	"
C12,16	" -180	"	18 pF	"
C14	QFS21HJ-361	Polystyrol	360 pF	"
C15,17,19,26,33,59	QCF11EZ-223	Ceramic	0.022 μF	25 V
93,96,004,018			·	
023				
C18,95,014,016	QFM41HM-223	Mylar	",	"
C20,21,91	QCT05CH-7R0	Ceramic	7 pF	"
C22	′′ -220.	"	22 pF	"
C23	QCS11HJ-100	"	10 pF	"
C24	QCT05CH-100	"	<i>;</i> ;	"
C27,48,49	QET41HR-474	Electrolytic	0.47 μF	"
C28,29,30,45	QFM41HM-473	Mylar	0.047 μF	"
C31,32,73,99	QCF11EZ-103	Ceramic	0.01 μF	25 V
C34	QET41AR-476	Electrolytic	47 μF	10 V
C35	QCS11HJ-101	Ceramic	100 pF	50 V
C36,010,027	QFM41HM-333	Mylar	0.033 μF	"
C37	QCS11HJ-361	Ceramic	360 pF	"
C38	QET41AR-227	Electrolytic	220 μF	10 V
C39,005	QET41CR-106	"	10 μF	16 V
C40	QFS21HJ-391	Polystyrol	390 pF	,,,
C41	QEW21EA-475	Electrolytic	4.7 μF	25 V
C42	QEC41HM-474	<i>"</i>	0.47 μF	50 V
C43	′′ -224	"	0.22 μF	"
C44,008	QET41HR105	Mylar	1 μF	"
C46,47,78,79,80	QFM41HM-682	'''	6800 pF	"
C50,51	QCY41HK-152	Ceramic	1500 pF	
C52,53	′′ -682	"	6800 pF	"
C54,55	" - 822	"	8200 pF	"
C56,63	QCS11HJ-220	"	22 pF	"
C57,60,83	′′′ -270	"	27 pF	"
C58,86,90,98	" -120	"	12 pF	"
C61	" -200	"	20 pF	"
C62	" -7R0	"	7 pF	"
C64,65,66,67,68,69	QAT2002-001	Trimmer	,	
70,71				
C72,74,75,76	QCY41HK-222	Ceramic	2200 pF	50 V
C77	QET41ER-475	Electrolytic	4.7 μF	"
C81	QCY41HK-472	Ceramic	4700 pF	· ,,

Capacitors

Ref. No.	Parts No.	Parts Name	Desc	ription
C82	QFS41HJ-182	Polystyrol	1800 pF	50V
C84	OCS11HJ-390	Ceramic	39 pF	"
C85	QFS41HJ-182	Polystyrol	1800 pF	"
C87	" -392	<i>i</i> , ·	3900 pF	"
C88,029	QCS11HJ-3R0	Ceramic	3 pF	"
C89	QCT05CH-150	"	15 pF	"
C92	QCY41EK-103	"	0.01 μF	25V
C94	QFS41HJ-361	Polystyrol	360 pF	50V
C97	QAT5001-201	Midget Variable		
C001	QCF11HP-104	Ceramic	0.1 μF	"
C002	QET41HR-335	Electrolytic	3.3 μF	"
C009.011.037	" -107	"	100 μF	"
C012	QET41AR-477	"	470 μF	10V
C020,021	QCS11HJ-2R0	Ceramic	2 pF	50V
C028	" -151	"	150 pF	"
C039	" -330	"	33 pF	"

Others

Ref. No.	Parts No.	Parts Name	Description
B.P.F.	VBP3M4E-001	Band Pass Filter	FM Antenna
CF1,2	V03059-016	Ceramic Filter	FM I.F.
C.R.B.	03126-15	CR Block	includes R65,C006,007
L1	VQF1B12-001	Coil	FM RF
L2	03226-1K	Inductor	FM IF Trap
L4	V03105-029	Coil	FM Osc.
L6,7	VQP0002-393	Inductor	
L8,9	VQB016B-302	Bar Antenna	
L10	VQR1001-306	Coil	SW1 Antenna
L11	VQR1001-202	"	SW3 Antenna
L12	" -207	"	SW2 Antenna
L13	VQM1T03-301	"	MW Osc.
L14	46923-42	"	LW Osc.
L15,16	03160-74	"	SW1,2
L17	VQS1S02-302	"	SW3 Osc.
L21	03226-024	Inductor	
T1,2	V03068-7	I.F.T.	FM
T3	VQT7A11-301	"	AM
T4,5,CF3	V03067-026	"	AM
S1~6	QSP0261-007	Push Switch	BAND
T. Pin	A74138-2	Test Pin	
T.P.	V04041-1	Test Point	
5-P	QMC0529-001	Plug Ass'y	5-pin
3-P	QMC0329-001	, , ,	3-pin
P. Pin	VMZ0005-001	Post Pin	

Volume Circuit Board Ass'y

Resistors

Ref. No.	Parts No.	Parts Name	Des	scription
R701, 801	QRD141J-392S	Carbon	3.9 kΩ	1/4 W
R702, 802	" -822S	"	8.2 k Ω	"
R703, 803	" -472S	"	4.7 kΩ	15.
R704, 804	" -562S	"	$5.6\mathrm{k}\Omega$	"
R705, 805	" -561S	"	560 Ω	"
R706, 707, 806, 807	" -473S	***	47 kΩ	"
VR561, 562	QVR2A6A-115	Variable (Slide)	100 kΩ	A-Curve
VR701, 801	QVR0A6A-054	" (")	50 k Ω	"
VR702, 802	QVR0A6B-554	" (")	50 kΩ	B-Curve

Capacitors

Ref. No.	Parts No.	Parts Name	Desc	cription
C702, 802	QFM41HK-473	Mylar	0.047 μF	50 V
C703, 803	′′ -104	ii ii	0.1 μF	"
C704, 804	" -153	"	0.015 μF	"
C705, 805	QCY41HK-332	Ceramic	3300 pF	"

Others

Ref. No.	Parts No.	Parts Name	Description
CN561-P	QMV5004-009	Connector	9-pin

Switch Circuit Board Ass'y

Resistors

Ref. No.	Parts No.	Parts Name	Des	cription
R551	QRD141J-564S	Carbon	560 kΩ	1/4 W
R771,871	" -273S	"	27 kΩ	"
R772, 872	" -222S	"	2.2 kΩ	"

Capacitors

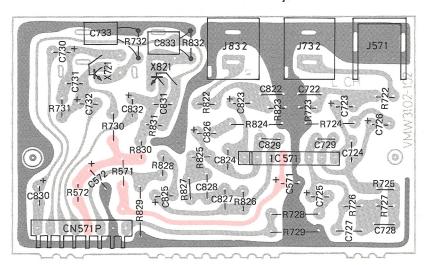
Ref. No.	Parts No.	Parts Name	Des	cription
C772,872	QCY41HK-102	Ceramic	1000 pF	50 V
C771, 871	QEB41HM-224	Electrolytic	0.22 μF	

Others

Ref. No.	Parts No.	Parts Name	Description
S551 S552	QSS4201-043 QSS2201-002	Slide Switch	AUTO-MANU LOUDNESS
CN551-P	QMV5004-005	Connector	5-pin

Circuit Board Assemblies(Power Supply, Jack, Auto-Stop, MMS Switch, MMS LED, Metal LED and Stereo LED, Motor)

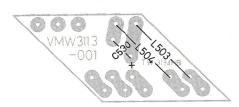
Jack Circuit Board Ass'y

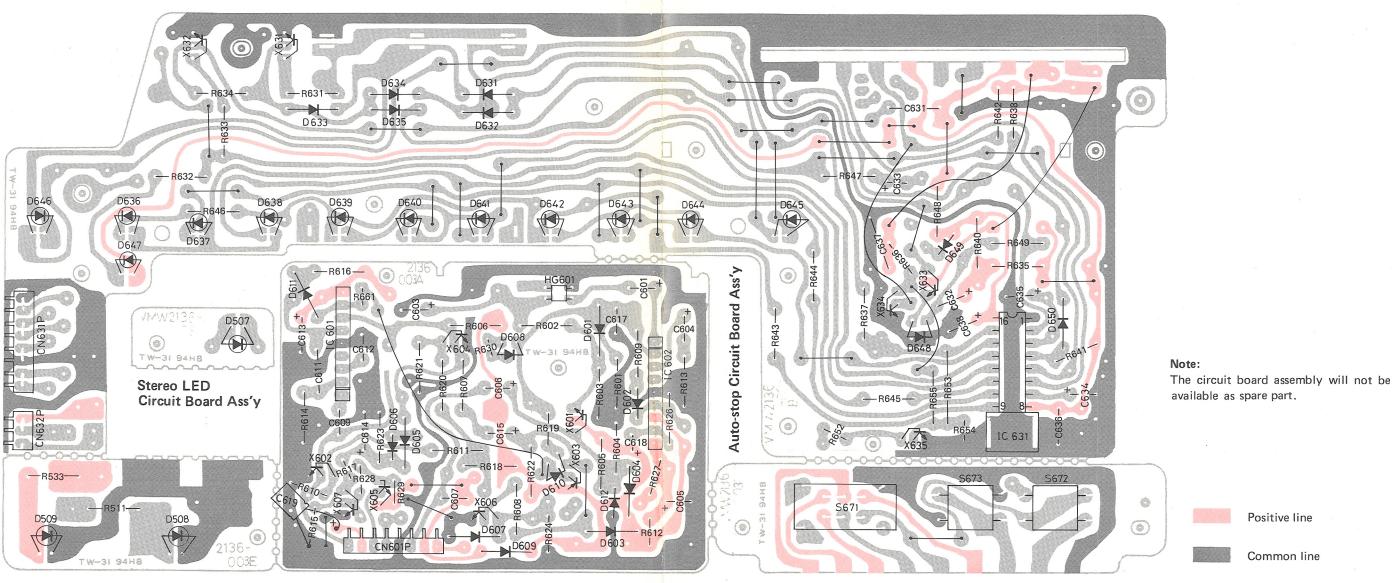


D682 D681 D683 D683 D683 D683 D683 D683 D683 D6883 D6883 D6883 D6884 D68

Power Supply Circuit Board Ass'y

Motor Circuit Board Ass'y





Metal LED Circuit Board Ass'y

No. 1408

MMS Switch Circuit Board Ass'y

Fig. 29

Diodes

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
D681~685	∆ U08B	Silicon Diode	HITACHI

Capacitors

Ref. No.	Parts No.	Parts Name	Descrip	otion
C681~684	△ QCF11EZ-103	Ceramic	0.01 μF	25 V

Others

Ref. No.	Parts No.	Parts Name	Description
J681	△ QMA1221-004	Ext. DC Jack Ass'y	DC 15 V
J682, S681	△ QMC0263-002	AC Socket Ass'y	AC 110/220/240 V
	△*QMF51A2-4R0	Fuse	T4A
S682	△ QSS2325-107	Slide Switch	

Jack Circuit Board Ass'y

Transistors

Ref. No.	Parts No.	Parts Name	Description
X721,821	2SD636(R)	Silicon (MATSUSHITA)	0.4W

IC

Ref. No.	Parts No.	Parts Name	Description
IC571	LA3160 (or BA328)	Integrated Circuit	SANYO (TOYO DENGU)

Resistors

Ref. No.	Parts No.	Parts Name	Desc	ription
R571	QRD143J-102S	Carbon	1 kΩ	1/4 W
R572	" -470S	"	47 Ω	"
R722, 822	" -182S	"	1.8 k Ω	"
R723, 823	" -473S	"	47 kΩ	"
R724, 824	QRD141J-561S	"	Ω 067	"
R725, 825	QRD143J-102S	"	1 kΩ	"
R726, 826	" -124S	"	1 20 kΩ	"
R727, 827	" -103S	"	10 kΩ	"
R728, 828	QRD141J-103S	"	10 kΩ	"
R729, 829	" -223S	"	22 kΩ	"
R730, 830	QRD143J-332S	"	3.3 kΩ	"
R731, 831	" -824S	"	820 kΩ	"
R732, 832	" -152S	"	1.5 kΩ	"

Capacitors

Ref. No.	Parts No.	Parts Name	Desc	ription
C571, 572	QET41CR-476	Electrolytic	47 μF	16 V
C722, 822	QCS11HJ-501	Ceramic	500 pF	50 V
C723, 725, 823, 825	QET41CR-106	Electrolytic	10 μF	16 V
C724, 824	QCF11HP-102	Ceramic	1000 pF	50 V
C726, 826	QET41AR-476	Electrolytic	47 μF	10 V
C727, 827	QFM41HJ-273	Mylar	0.027 μF	50 V
C728, 828	" -822	· "	8200 pF	"
C729, 829	QCS11HK-470	Ceramic	47 pF	"
C730, 732, 830, 832	QET41HR-335	Electrolytic	3.3 μF	"
C731, 831	QCS11HJ-220	Ceramic	22 pF	"
C733, 833	QFM41HJ-472	Mylar	4700 pF	"

Others

Ref. No.	Parts No.	Parts Name	Description
J571	VMZ0001-001	Terminal	Ground
J732	VMC0002-002	Jack Ass'y	PHONO (L)
J832	VMC0002-001	''	PHONO (R)
CN571-P	QMV5004-008	Connector	8-pin

Auto Stop Circuit Board Ass'y

Transistors

Ref. No.	Parts No.	Parts Name	Pc	fT
X601 X602, 604, 606, 607 X603, 605	2SD468(C) 2SD636(R) *2SA786(P,Q)	Silicon (HITACHI) " (MATSUSHITA) " (TOYO DENGU)	0.9 W 0.4 W 0.15 W	190 MHz 180 MHz

IC & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC601, 602 D601~608, 610, 611 D609, 612	BA335 1S2473 1OE1	Integrated Circuit Silicon Diode	TOYO DENGU HITACHI J.I.R.C.

Resistors

Ref. No.	Parts No.	Parts Name	Desc	cription
R601, 614	QRD141J-474S	Carbon	470 kΩ	1/4 W
R602	" -471S	"	470 Ω	"
R603, 605, 616, 622, 623	'' -103S	"	10 kΩ	,,
R604	" -123S	"	12 kΩ	"
R606, 607, 608	" -272S	"	2.7 kΩ	,,
R609, 613, 618	" -102S	"	1 kΩ	,,
R610	QRD143J-393S	"	39 k Ω	"
R611	QRD141J-473S	"	47 k Ω	"
R612	QRD143J-221S	"	220 Ω	,,
R615	" -333\$	"	33 kΩ	"
R617, 628, 629	" -104S	"	100 kΩ	"
R619	″ -101S	"	100 Ω	,,
R620	QRD143J-393S	"	39 kΩ	"
R621	QRD 141J-223S	"	22 kΩ	"
R624	QRD143J-334S	"	330 kΩ	"
R626	QRD141J-104S	"	100 kΩ	"
R627	QRD 143J-100S	"	10 Ω	"
R630	" -102S	"	1 kΩ	"
R661	" -333S	••	33 kΩ	"

Capacitors

Ref. No.	Parts No.	Parts Name	Desc	ription
C601	OET41HR-335	Electrolytic	3.3 μF	50 V
2603	OET41CR-477	"	470 μF	16 V
2604	" -336	"	33 μF	"
C604 C605, 606	" -227	"	220 μF	"
C605, 600 C607	QCF11EZ-223	Ceramic	0.022 μF	25 V
C609	QFM41HK-102	Mylar	1000 pF	50 V
C611	QFM41HJ-104	"	0.1 μF	"
C612	QFM41HM-473	"	0.047 μF	"
C612 C613, 619	QET41CR-107	Electrolytic	100 μF	16 V
C614	" -106	"	10 μF	"
C615	QET41HR-105	"	1 μF	50 V
	QCF11EZ-103	Ceramic	0.01 μF	25 V
C617 C618	QET41HR-474	Electrolytic	0.47 μF	50 V

Others

Ref. No.	Parts No.	Parts Name	Description
HG601	VHE610G	Hall Element	JVC
CN601-P	QMV5005-008	Connector	8-pin

MMS Switch Circuit Board Ass'y

Ref. No.	Parts No.	Parts Name	Description
S671	*QSS2201-002	Slide Switch	SCAN
S672, 673	QSP0022-001	Touch Switch	PROGRAM-CLEAR

MMS LED Circuit Board Ass'y

Transistors

Ref. No.	Parts No.	Parts Name	Pc	fT
X631, 632, 634, 635 X633	2SD636(R) 2SD468(C)	Silicon (MATSUSHITA) " (HITACHI)	0.4 W 0.9 W	190 MHz

IC & Diodes

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
IC631 D631 ~ 635, 648 ~ 650 D636 ~ 644 D645, 646 D647	*AN6260 1S2473 *LN219RP *LN226RP *LN319GP	Integrated Circuit Silicon Diode Light Emitting (LED) " (") " (")	MATSUSHITA HITACHI MATSUSHITA "

Resistors

Ref. No.	Parts No.	Parts Name	Desc	ription
R631, 634	QRD141J-104S Carbon	Carbon	100 kΩ	1/4 W
R632	" -102S	"	1 kΩ	"
R633	" -473S	"	47 kΩ	"
R635	" -221S	"	220 Ω	"
R636, 654	QRD143J-104S	"	100 kΩ	"
R637	QRD141J-331S	"	330 Ω	"
R638, 642, 649	" -103S	"	10 kΩ	"
R640	" -222S	"	$2.2 \text{ k}\Omega$	"
R641	QRD143J-472S	"	4.7 kΩ	"
R643, 644, 645	QRD141J-151S	"	150 Ω	"
R646, 648	" -101S	"	100 Ω	"
R647	" -184S	"	180 kΩ	"
R652	QRD143J-154S	"	150 k Ω	"
R653	QRD141J-154S	"	150 kΩ	"
R655	" -474S	"	470 k Ω	"

Capacitors

Ref. No.	Parts No. Parts Name QEN41EA-335N Electrolytic	Description		
C631		Electrolytic	3.3 μF	25 V
C632, 638	QET41CR-106	"	10 μF	16 V
C633	QEB41EM-335	"	3.3 µF	25 V
C634	OFF51VM-224	"	0.22 μF	35 V
C635	QET41CR-336	"	33 μF	16 V
C636, 637	QCC11EM-154	Ceramic	0.15 μF	25 V

Others

Ref. No.	Parts No.	Parts Name	Description
CN631-P	QMV5004-008	Connector	8-pin
CN632-P	QMV5004-003		3-pin

METAL LED Circuit Board Ass'y

Diodes

Ref. No.	Parts No.	Parts Name	Description
D508	LN217RP	Light Emitting (LED) " (")	MATSUSHITA
D509	*SLR30UR		"

Resistors

Ref. No.	Parts No.	Parts Name	Des	cription
R511 R533	QRD141J-152S " -182S	Carbon	1.5 kΩ 1.8 kΩ	1/4 W

Stereo LED Circuit Board Ass'y

Diode

Ref. No.	Parts No.	Parts Name	Description
D507	LN217RP	Light Emitting (LED)	MATSUSHITA

Amplifier and Muting Circuit Board Assemblies

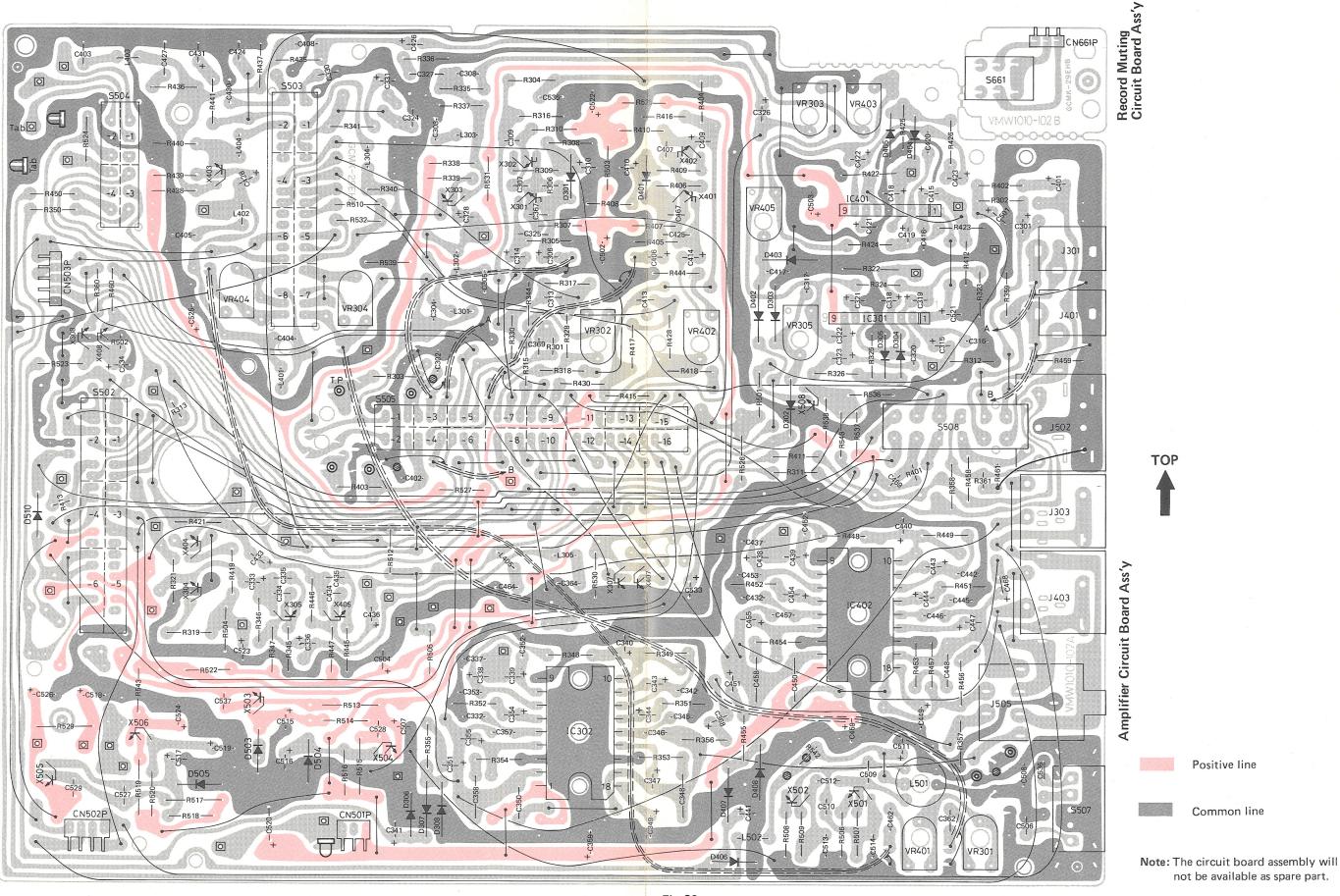


Fig. 30

No. 1408

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Amplifier Circuit Board Ass'y

Transistors

Ref. No.	Parts No.	Parts Name	Pc	fT
X301, 302, 303, 401, 402, 403	2SD661(S)	Silicon (MATSUSHITA)	0.3 W	
X304, 305, 306, 308, 404, 405, 406, 408, 503, 506	2SD636(R)	" (")	0.4 W	
X307, 407, 501, 502, 504, 508	2SD468(C)	" (HITACHI)	0.9 W	190 MHz
X505	2SD439(E)	" (SANYO)	1 W	150 MHz

IC & Diodes

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
IC301, 401 IC302, 402	BA333(V) *AN7145K(H)	Integrated Circuit	TOYO DENGU MATSUSHITA
D301, 304, 305, 306,	1S2473	Silicon Diode	HITACHI
401, 404, 405, 406, 510			
D302, 303, 307, 308, 402, 403, 407, 408	1N34A	Gelumanium Diode	"
D503	HZ7C	Zener Diode	"
D504	*HZ11B3	"	"
D505	*HZ12B1	"	"

Resistors

Ref. No.	Parts No.	Parts Name	Des	cription
R301,401	QRD143J-103S	Carbon	10 kΩ	1/4 W
R302,340,402,440,	QRD141J-222SY	"	$2.2~\mathrm{k}\Omega$	"
536,539				
R303,403,512,543	" -100SY	"	10 Ω	,,
R304,312,337,404	" -104SY	"	100 kΩ	"
412,504				
R305,405,525	QRD141J-471SY	"	470 Ω	1/4 W
R306	QRD143J-684S	"	680 kΩ	"
R307,335,407,435	" -683SY	"	68 kΩ	′′
R308,408	QRD141J-821SY	"	820 Ω	′′
R309,357,409,457	" -820SY	"	82 Ω	**
510				
R310,328,410,428	QRD141J-682SY	"	$6.8~\mathrm{k}\Omega$	1/4 W
501				
R311,318,330,341	QRD141J-103SY	"	10 kΩ	1/4 W
359,360,411,418				
430,441,459,460				
526				
R313,413	QRD143J-153S	"	15 kΩ	1/4 W
R315,319,336,348	QRD141J-473SY	"	47 kΩ	"
349,419,436,448				
449				
R316,321,416,421	QRD141J-223SY	"	22 kΩ	1/4 W
523,538,546				
R317,417	QRD141J-224SY	"	220 kΩ	1/4 W
R322,422	QRD121J-106	"	10 M Ω	1/2 W
R323,351,352,423	QRD141J-221SY	"	220 Ω	1/4 W
451,452			·	
R324,424	QRD141J-393SY	"	39 kΩ	1/4 W
R325,425	" -123SY	"	12 kΩ	"
R326,347,426,447	" -332SY	"	3.3 k Ω	"
R338,346,406,438	" -684SY	"	680 kΩ	,,
446				1

Resistors

Ref. No.	Parts No.	Parts Name	Des	cription
R339,439	QRD141J-153SY	Carbon	15 kΩ	1/4 W
R344,444	" -330SY	"	330 Ω	"
R345,356,445,456	" -151SY	"	150 Ω	"
R350,355,450,455	" -102SY	"	1 kΩ	"
R353,354,453,454	" -1R0SY	"	1 Ω	"
R358,458	" -155S	"	1.5 ΜΩ	"
R361,461	QRD143J-152S	"	1.5 k Ω	"
R415	QRD141J-473S	"	47 kΩ	"
R437	" -104S	"	100 kΩ	"
R502	QRD143J-473S	"	47 k Ω	"
R503,537	QRD141J-562SY	"	5.6 kΩ	"
R505	" -823SY	"	82 kΩ	,,
R506,508	" -6R8S	"	$6.8~\Omega$,,
R507,509	" -393S	"	39 kΩ	,,
R513,519	QRH141J-100	Fusible	10 Ω	"
R514,518	QRD141J-271SY	Carbon	270 Ω	"
R515	QRH141J-2R2	Fusible	2.2 Ω	"
R516	QRD141J-331SY	Carbon	330 Ω	"
R517	QRD141K-2R2	"	$2.2~\Omega$	"
R520	QRD141J-182SY	11	1.8 kΩ	"
R522,531	" -101SY	"	100 Ω	"
R524	" -122S	"	$1.2~\mathrm{k}\Omega$	"
R527	" -330S	"	33 Ω	"
R529	QRD121J-1R0	"	1 Ω	1/2 W
R530	QRD141J-183SY	"	18 kΩ	1/4 W
R532	" -180S	"	18 Ω	"
R542	QRD143K-220	"	22 Ω	"
VR301,401	QVP8A0B-054	Variable	50 k Ω	B-Curve
VR302,402	QVP8A0B-032	"	300Ω	"
VR303,403	" -014	,,	10 kΩ	",
VR304,404	′′ -015	"	100 k Ω	"
VR305,405	′′ -053	"	5 k Ω	"

Capacitors

Ref. No.	Parts No.	Parts Name	Desc	ription
C301,,315,323,401	QET41HR-474	Electrolytic	0.47 μF	50 V
415,423			·	
C302,316,402,416	QCS11HJ-151	Ceramic	150 pF	50 V
C303,403	" -681	"	680 pF	"
C304,325,404,425	" -561	"	560 pF	"
C305,364,405,464	" -331	′′	330 pF	"
C306,406	QET41HR-335	Electrolytic	3.3 μF	"
C307,407	QCS11HK-330	Ceramic	33 pF	"
C308,408	QCS11HJ-301	"	300 pF	"
C309,318,322,409	QET41ER-475	Electrolytic	4.7 μF	25 V
418,422,523				
C310,410	QET41AR-476	"	47 μF	10 V
C313,324,330,413	QFM41HJ-153	Mylar	0.015 μF	50 V
424,430				
C314,340,414,440	QET41AR-107	Electrolytic	100 μF	10 V
501,515,533				
C317,417	QCY41EK-103	Ceramic	0.01 μF	25 V
C319,331,419,431	QET41AR-336	Electrolytic	33 μF	10 V
C320,367,420,467	QCS11HK-470	Ceramic	470 pF	50 V
C321,421	QET41CR-226	Electrolytic	22 μF	16 V
C326,328,333,336	QET41HR-105	"	1 μF	50 V
341,426,428,433				
436,441				

Capacitors

Ref. No.	Parts No.	Parts Name	Descr	ription
327,427	QFM41HJ-563	Mylar	0.056 μF	50 V
•	QCS11HK-471	Ceramic	470 pF	"
2332,345,432,445	" -220	"	220 pF	"
C334,434	" -101	"	100 pF	"
C335,435	QCY41HK-681	,,	680 pF	"
C337,342,437,442	QEC41HM-224	Electrolytic	0.22 μF	"
C338,343,438,443	" -104	Liectrory tic	0.1 μF	"
C339,439	-104	,,	10 μF	16 V
C344,351,354,444	QET41CR-106		10 μ1	, , ,
451,454,511,534	000441114 500	0	56 pF	50 V
C346,357,446,457	QCS11HK-560	Ceramic	220 μF	10 V
C347,355,447,455	QET41AR-227	Electrolytic	0.22 μF	"
C348,358,448,458	QFM41HK-224	Mylar	470 μF	25 V
C349,359,449,459	QET41ER-477	Electrolytic	470 μΓ	25 V
519			0.1 μF	50 V
C350,450	QFM41HK-104	Mylar	1000 pF	30 V
C352,452	QCY41HK-102	Ceramic	1000 pF	,,
C353,453	QCS11HJ-101			125 V
C362,462	QFS32BJ-391	Polystyrol	390 pF	16 V
C368,468	QEB41CM-685	Electrolytic	6.8 μF	50 V
C369,469	QCY41HK-272	Ceramic	2700 pF	
C502,503,518	QET41CR-477	Electrolytic	470 μF	16 V
C504,521,522,525	" -227	<i>"</i>	220 μF	
C506,535	QCY41HK-222	Ceramic	2200 pF	50 V
C507,516,517,526	QET41CR-107	Electrolytic	107 μF	16 V
C508	QFP32AJ-183L	Polypropylene	0.018 μF	100 V
C509	" -223L	"	0.022 μF	
C510,512	QFM41HJ-332	Mylar	3300 pF	50 V
C513,514	" -223	"	0.022 μF	
C520	QET41ER-228	Electrolytic	2200 pF	25 V
C524	QET41ER-227	"	220 μF	25 V
C527,528,529	QCC11EM-223	Ceramic	0.022 μF	"
C536	QFM42AK-822	Mylar	8200 pF	100 V
C537	QCF11EZ-473	Ceramic	0.047 μF	25V

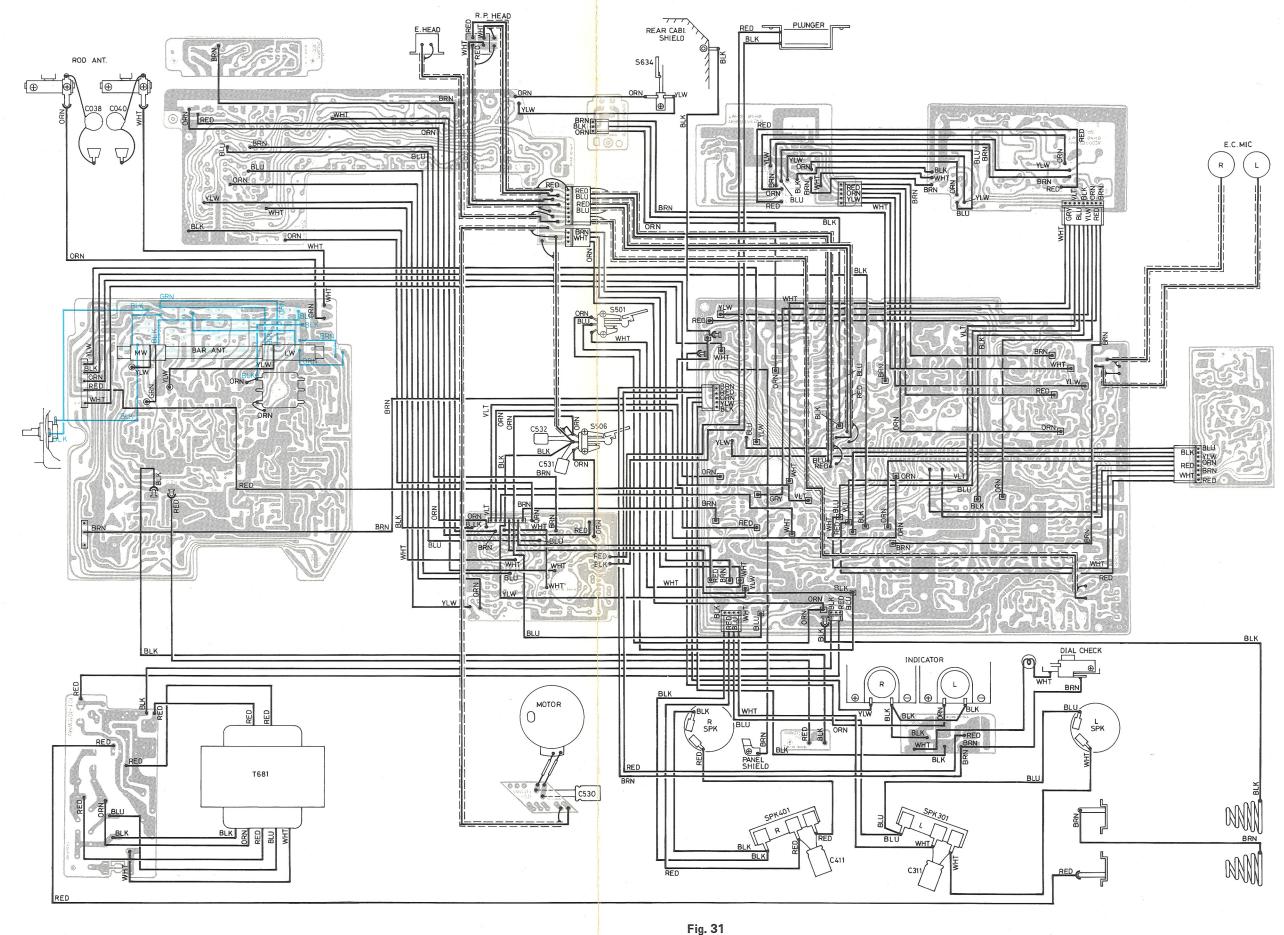
Others

Ref. No.	Parts No.	Parts Name	Description
L301, 303, 401, 403	VQP0002-103	Inductor	
L302, 305, 402, 405	VQP0001-183S	"	
L304, 404	VQP0001-562	"	
L501	VQH1009-005	Coil	Osc.
L502	03226-2K	Inductor	
S502-1~6	QSS6401-101	Slide Switch	FUNCTION
S503-1~8	QSS8301-001	"	TAPE SELECT
S504-1~ 4	QSS4201-043	"	MODE/METER
S505-1~ 16	*QSSG201-101	"	REC-PLAY
S507	QSS1301-021	"	BEAT CUT
J301, 401	QMS3501-014	Jack Ass'y	MIC
J303, 403	QMC0289-003	"	DIN SPKR
J502	QMC9014-006	"	DIN
J505	QMS6312-004	"	Headphones
CN2	QMC0359-001	Plug Ass'y	3-pin
CN1	QMC0559-001	"	5-pin
T. Pin	A74138-2	Test Pin	
Tab	V43895-1	Tab	
"	E43727-002	"	
CN501-P	QMV5004-003	Connector	3-pin
CN502P	′′ -004	"	4-pin
CN503P	′′ -005	"	5-pin

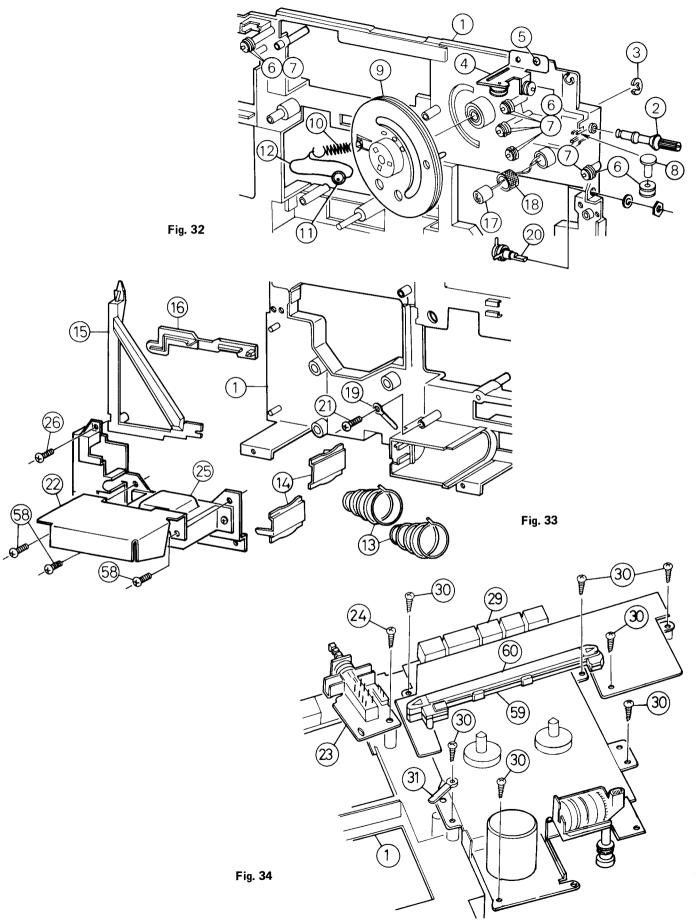
Muting Circuit Board Ass'y

Ref. No.	Parts No.	Parts Name	Description
S661	QSP0219-003	Push Switch	REC MUTE
CN661-P	QMV5004-003	Connector	3-pin

Wiring Connection



Exploded Views of Main Chassis Ass'y



No. 1408

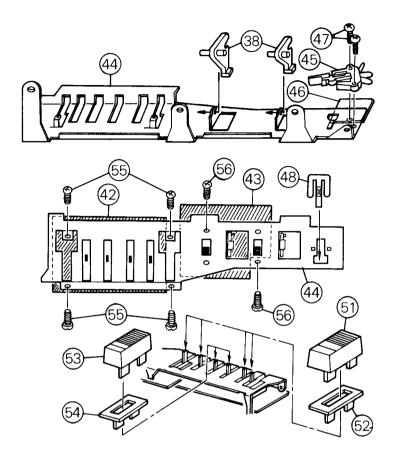
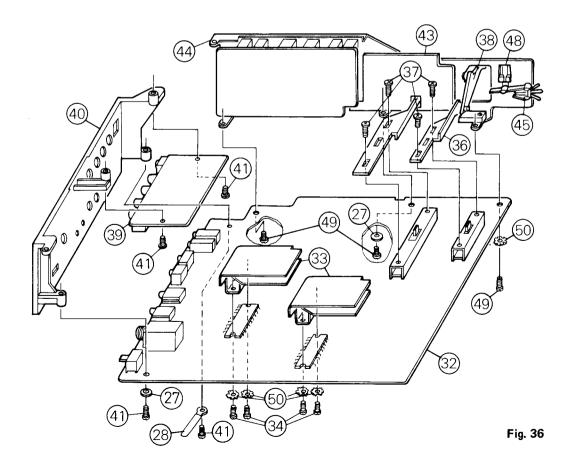


Fig. 35



Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VYH1114-001	Chassis		1
2	VYH4009-004	Tuning Shaft		1
3	REE3000X	E-ring		
4	*VYH4402-00A	Roller Ass'y		'1
5	SBSB3012Z	Screw		1
6	VYH4032-001	Roller		6
7	WNB2600N			
		Washer		5
8	RTA4012	Rivet		1
9	*VYH3150-001	Drum		1
10	50153-3	Spring		1
11	*VJN4039-002	Needle Holder		1
12	VHR2TK9-05AT	Kevlar cord	φ 0.5 x 1,910 mm	1
13	53738-1	Battery Spring		2
14	VYH4016-001	Battery Contact		2
15	*VYH3151-001	Lever	Function Selection	1
16	*VYH3152-001	Slider		1
17	*VMME62N-029	E. C. Mike	M301, 401	2
18	VYH4312-001	Mike Holder	•	2
19	VKZ4001-007	Wire Holder		1
20	QAT5001-201	Midget Variable Capacitor	C97	1
21	SBSB3010Z	Screw		1
22	*VYH3169-001	Shield Plate		i
23	Record Muting Circui			,
	SBSB3010Z	·		1
24		Screw		ı
25	Power Supply Section	+		
26	SBSB3014V	Screw		1
27	*Q03095-206	Washer		2
28	VKZ4001-010	Wire Holder		1
29	Cassette Mechanism S	ection		
30	SBSB3012C	Screw		7
31	VKZ4001-007	Wire Holder		1
32	Amp. Circuit Board A	ss'y		
33	*VYH4411-001	Heat Sink		2
34	SPSP3012ZS	Screw		4
35	*VYH4412-001	Slider		1
36	*VYH4413-001	"		1
37	V42583-1	Stud		4
38	*VYH4414-002	Lever	Tape Selection, Mode Selection	2
39	Jack Circuit Board As		Tape Selection, Wode Selection	2
		1 T		4
40	*VJD3208-001	Jack Board		1
41	SBSB3012Z	Screw		4
42	Volume Circuit Board	_		
43	Switch Circuit Board			_
44	*VYH3156-002	Bracket		1
45	V44737-001	Skeleton Switch	S506 SLEEP	1
46	*VYH4466-001	Spacer		1
47	SPSP2010Z	Screw		2
48	*VYH4410-001	Slider		1
49	SPSP3006ZS	Screw		3
50	WBS3000N	Toothed Lock Washer		5
51	*VXS4027-002	Knob	VOLUME, REC LEVEL	4
52	*VYH4445-001	Spacer		4
53	*VXS4028-002	Knob	BASS, TREBLE	2
54	*VYH4446-001	Spacer	5, 100, 11111111	2
55	SPSP2004Z	Screw		4
56	SPSP2604Z	JUI EVV		2
	3r3r2004Z		Diank No	2
57 50	000040400		Blank No.	_
58	SBSB4012C	Screw		3
59 60	*VYH3155-001	LED Holder (A)		1
	*VYH3160-001	" (B)	:	1

Exploded Views of Amplifier Chassis Ass'y

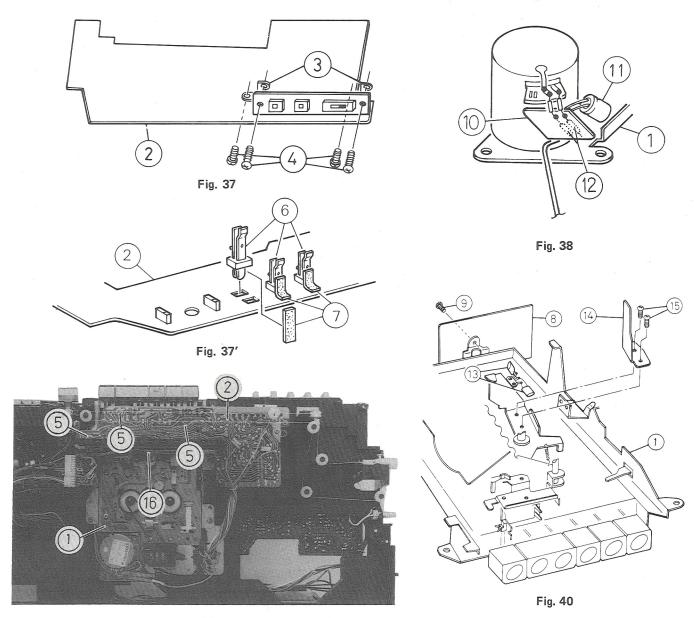


Fig. 39

Asterisked parts (*) show new parts.

		T	Asterisked parts (") show n	
Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	Cassette Mechanism			
2	MMS Circuit Board Ass'	у		
3	*VYH4408-002	Bracket		2
4	SPSP3006ZS	Screw		4
5	LPSP2608V	"		3
6	VSH1106-001	Leaf Switch	S631~S633	3
7	VYSH103-027	Spacer		3
8	Auto Stop Circuit Board	d Ass'y		
9	SPSP2608V	Screw		1
10	Motor Circuit Board Ass	s'y	y y	В
11	QET41CR-227	Electrolytic Capacitor	C530	1
12	T41572-001	Inductor	L503,504	2
13	QFM41HM-223	Mylar Capacitor	C531, 532	2
14	*VKY4169-002	Recording Spring		1
15	LPSP2606Z	Ass'y Screw		2
16	Rec/Play Head Circuit B	Board Ass'y		-,

Exploded Views of Front Cabinet (RC-M70L)

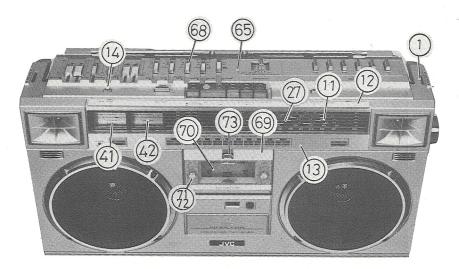


Fig. 41

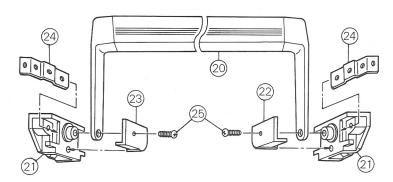


Fig. 42



Fig. 43

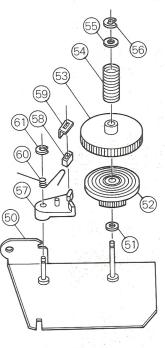


Fig. 44

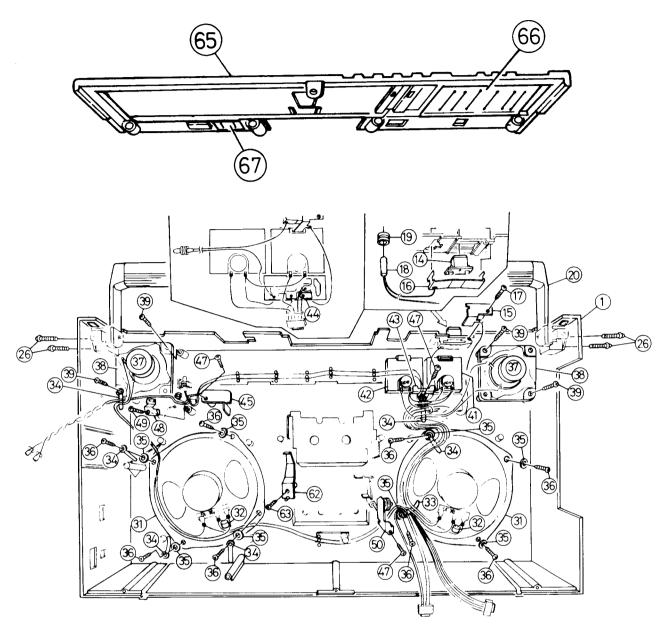


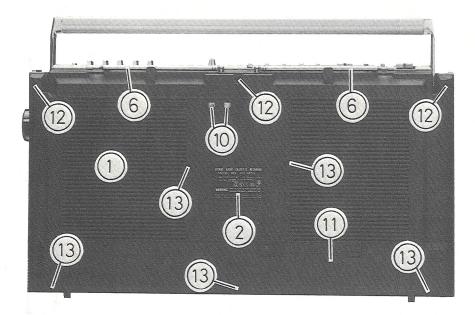
Fig. 45

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1 ~ 13	*ZCRCM70L-CBF	Front Cabinet Ass'y		1
1	*VJC1084-003	Front Cabinet		1
2	VJD4005-002	Reflection Plate		1
3			Blank No.	
4	*VJD4003-010	Plate	Glued	1
5	*VJD4338-001	Feature Plate	"	1
6	*VJD4323-001	Microphone Plate	"	2
7	QXM2251-001	Mark	"	1
8	*VJK3137-001	Scale Plate	"	1
9	*VJK3138-001	Dial Back	,,	11
10	*VJK2124-003	Dial Scale	"	1
11	*VJK3140-002	Dial Lens	"	1
12	*VJD3196-004	MMS Plate	"	1
13	*VJD3197-004	LED Plate	"	
14	*VXP4052-001	Check Light Knob		1

Ref. No.	Parts No.	Parts Name	Description	Q'ty
15	*VYH4394-001	Contact		1
16	*VYH4395-001	Spring		1
17	SBSB3010Z	Screw		1 1
18	QLP3101-334	Lamp	PL501	1
19	53492-002	Rubber Bushing		1
20	*VJH3005-00K	Handle Ass'y		1
21	*V31131-003	Supporter		2
22	V44943-001	Washer (L)		1
23	V44944-001	" (R)		1
24	V44883-001	Bracket		2
25	SPSP3014ZS	Screw		2
26	SDSP3018RS	"		4
27	*VJN4038-001	Needle		1
28	*VJD3198-001	Speaker Net		2
29	*VJD3199-001	Speaker Ring		2
30	VJD4008-001	Special Screw		8
31	*EAS16P182S	Speaker	SPK301, 401	2
32	QEN41EM-335	Electrolytic Capacitor	C311, 411	2
33	VKZ4001-010	Wire Holder		1
34	VKZ4001-007	"		6
35	Q03091-105	Washer		8
36	SBSB3010Z	Screw		8
37	*EAS5PH01SC	Tweeter		2
38	*VYH4396-001	Tweeter Holder		2
39	SBSB3014Z	Screw		4
40	050500112		Blank No.	
41	*VGM0320-006	Indicator	Battery (L) IND301	1
42	*VGM0320-005	"	Tuning (R) IND401	1
43	*VYH4397-001	Meter Holder	, , , , , , , , , , , , , , , , , , ,	1
44	LED Circuit Board Ass		Metal, Power	
45	LED Circuit Board Ass		FM stereo	
46	LED Circuit Dourd Ass	,	Blank No.	
47	SBSB3012Z	Screw		2
48	V44981-001	Grounding Catcher		1
49	SBSB3010Z	Screw		1
50	*VYH4399-00B	Gear Frame Ass'y		1
51	Q03093-524	Washer		1
52	VKS4108-003	Spur Gear		1
53	VKS4109-004	Brake Drum		1
54	VKW3001-006	Spring		1
55	WNS2600Z	Washer		1
56	REE2000X	E-ring		1
57	VKS4110-002	Brake Arm		1
58	VKZ4111-001	Rubber Tire		1
59	VKL4271-001	Rubber Holder		1
60	VKW4106-001	Torsion Spring		1
61	REE2000X	E-ring		1
62	*VKY4167-003	Door Spring		1
63	SBSB 3012Z	Screw		1
65 ~ 67	*ZCRCM70L-TPA	Top Panel Ass'y		1
65	*VJC1088-005	Top Panel		1
66	*VYTA444-001	Blind	Glued	i
67	*VYTA422-001	Dust Pad	"	li
68	*VXS4026-001	Slide Knob		6
69	*VJT3044-00A	Cassette Door Ass'y		1
70		Lens		1
	*VJT3045-001	Washer		2
71 72	Q03093-502			2
72 73	TJA345525-01 TJL271485-01	Special Screw Head Mark	SA	1
	- 111 //1/X5411	- meao iviark	I SA	

Exploded Views of Rear Cabinet (RC-M70L)



8 8

Fig. 48

Fig. 46

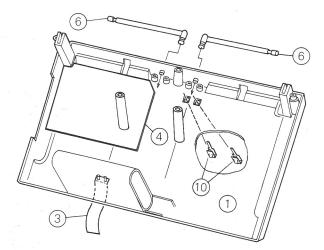


Fig. 47

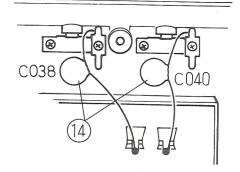
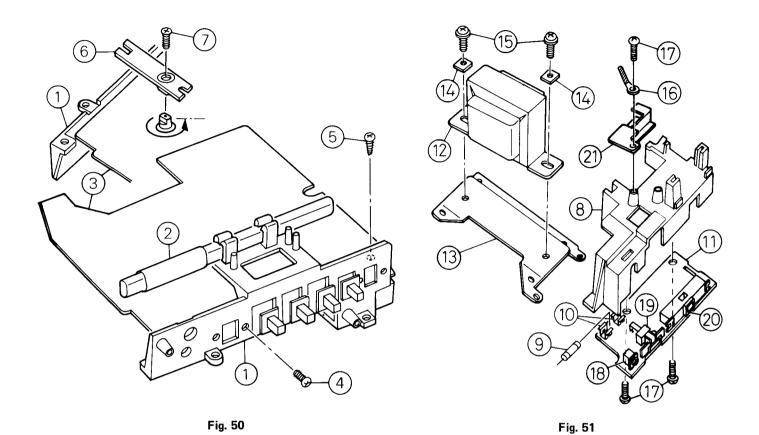


Fig. 49

Asterisked parts (*) show new parts.

				, j
Ref. No	Parts No.	Parts Name	Description	Q'ty
1~5	*ZCRCM70L-CBR	Rear Cabinet Ass'y		1
1	*VJC1085-003	Rear Cabinet		1
2	*VYN5058-008C	Name Plate		1
3	*V41583-008	Tape		1
4	*VYH4473-00A	Shield Plate Ass'y		1
5		9 9	Blank No.	
6	QZR4147-001U	Rod Antenna		2
7	VYH4189-001	Rod Antenna Holder		2
8	V41208-003	Tab		2
9	SBSF3008Z	Screw		4
10	V44814-00B	Terminal Ass'y	Ext. Antenna	2
11	*ZCRCM70L-BCA	Battery Cover Ass'y		1
12	SDSP3012RS	Screw	For Mounting Rear Cabinet	3
13	SBSF3040R	" "	"	5
14	QCS11HJ-220	Ceramic Capacitor	C038,040	2

Exploded Views of Tuner Chassis Ass'y and Power Supply Ass'y (RC-M70L)



Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	VYH2107-001	Bar Antenna Holder		1
2	VQB016B-302	Bar Antenna	L8, 9	1
3	Tuner Circuit Board A	ss'y		
4	SPSP3006ZS	Screw		1
5	SBSB3012Z	"		1
6	*VYH4407-001	Arm		1
7	SSSP2610Z	Screw		1
8	*VYH3154-001	AC Holder		1
9	△ *QMF51A2-4R0	Fuse	T4 A	1
10	A44594-001	Fuse Clip		1
11	⚠ Power Supply Circui	t Board Ass'y		
12	△ * VTP66N2-15B	Power Transformer	T681	1
13	*VYH4406-001	Transformer Bracket		1
14	F4932-002	Special Washer		2
15	LPSP4008ZS	Ass'y Screw		2
16	VKZ4001-011	Wire Holder		1
17	SBSB3012Z	Screw		3
18	△ QMA1221-004	Ext. DC Jack Ass'y	J681	1
19		AC Socket Ass'y	J682, S681	1
20	△*QSS2325-107	Slide Switch	S682	1
21	*VHY4444-001	Wire Holder		1

Final Packing Ass'y (RC-M70L)

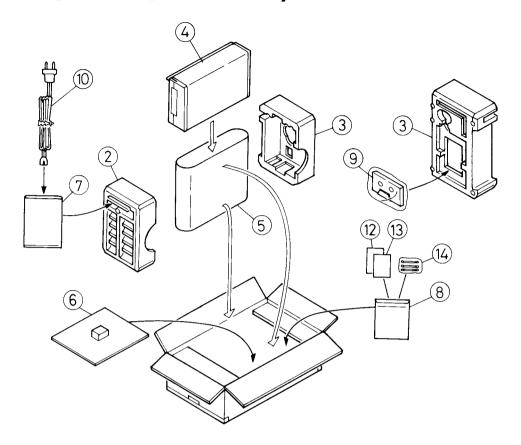


Fig. 52

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VPD5058-J03	Carton Box		
2	*VPH1180-001	Side Cushion	Left	
3	*VPH1181-001	"	Right	
4	VHPJ109-039	Wrapping Paper	Trigit.	!
5	QPGA070-07505	Polyethylene Bag		1
6	VPK4135-00A	Cushion Ass'y		
7	QPGA012-02505	Polyethylene Bag	for Power Cord	
8	QPGB024-03404	, ,,	for Instruction Book	

Accessories (RC-M70L)

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
9	*VGT12M2-J02	Cassette Tape		1
10		Power Cord		1
11			Blank No.	'
12	*VNM0761-301	Instruction Book	Biank No.	1
13	VNC6305-001	Troubleshooting Chart		1
14	VYA4001-00A	Head Cleaning Stick		1
15	VNF0757-001	Feature Sticker	Glued on Cassette Door	
16	VND4030-002	Caution Label	Glued on Top Panel	1 1

Exploded Views of Front Cabinet (RC-M70LB)

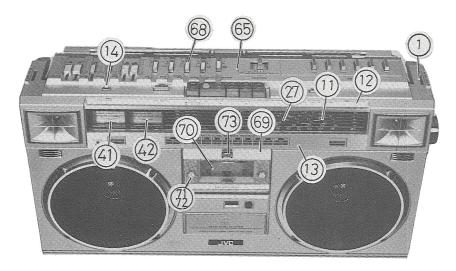


Fig. 53

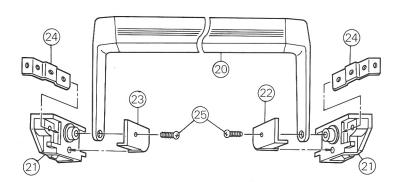


Fig. 54

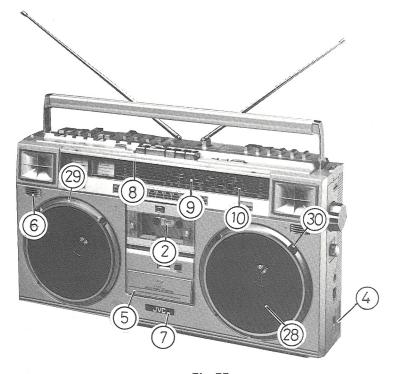


Fig. 55

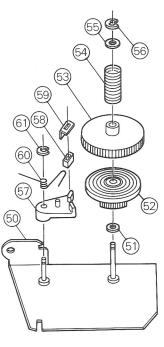


Fig. 56

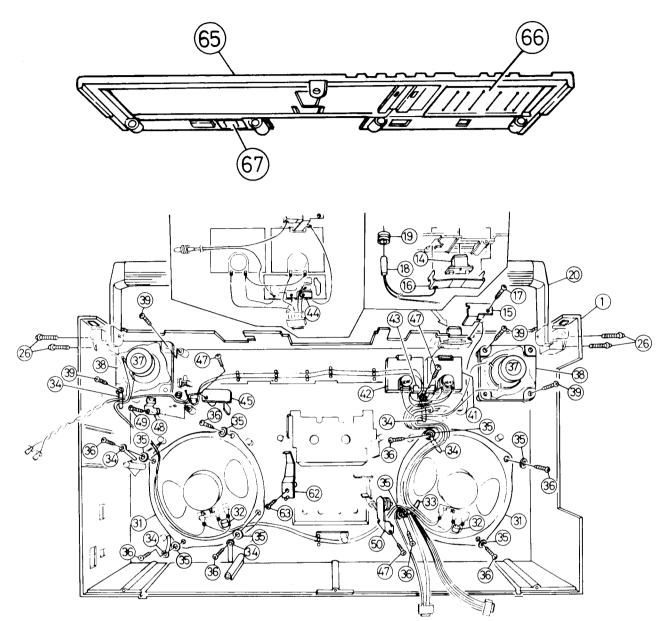


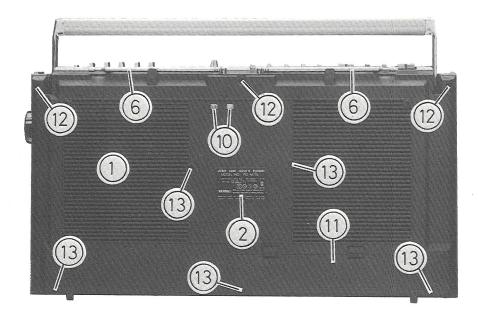
Fig. 57

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1 ~ 13	*ZCRCM70LB-CBF	Front Cabinet Ass'y		1
1	*VJC1084-003	Front Cabinet		1
2	VJD4005-002	Reflection Plate		1
3			Blank No.	
4	*VJD4003-010	Plate	Glued	111
5	*VJD4338-001	Feature Plate	"	1
6	*VJD4323-001	Microphone Plate	"	2
7	QXM2251-001	Mark	"	1
8	*VJK3137-001	Scale Plate	"	1
9	*VJK3138-001	Dial Back	"	111
10	*VJK2124-003	Dial Scale	"	1
11	*VJK3140-002	Dial Lens	"	1
12	*VJD3196-004	MMS Plate	"	1
13	*VJD3197-004	LED Plate	"	
14	*VXP4052-001	Check Light Knob		1

Ref. No.	Parts No.	Parts Name	Description	Q'ty
15	*VYH4394-001	Contact		1
16	*VYH4395-001	Spring		1
17	SBSB3010Z	Screw		1
18	QLP3101-334	Lamp	PL501	1
19	53492-002	Rubber Bushing		1
20	*VJH3005-00K	Handle Ass'y		1
21	*V31131-003	Supporter		2
22	V44943-001	Washer (L)		1
23	V44944-001	" (R)		1
24	V44883-001	Bracket		2
25	SPSP3014ZS	Screw		2
26	SDSP3018RS	"		4
27	*VJN4038-001	Needle		1
28	*VJD3198-001	Speaker Net		2
29	*VJD3199-001	Speaker Ring		2
30	VJD4008-001	Special Screw		8
31	*EAS16P182S	Speaker	SPK301, 401	2
		Electrolytic Capacitor	C311, 411	2
32	QEN41EM-335	Wire Holder	0311, 411	1
33	VKZ4001-010	Wire Holder		6
34	VKZ4001-007			8
35	Q03091-105	Washer		
36	SBSB3010Z	Screw		8
37	*EAS5PH01SC	Tweeter		2
38	*VYH4396-001	Tweeter Holder		2
39	SBSB3014Z	Screw		4
40			Blank No.	
41	*VGM0320-006	Indicator	Battery (L) IND301	1
42	*VGM0320-005	"	Tuning (R) IND401	1
43	*VYH4397-001	Meter Holder		1
44	LED Circuit Board Ass'	/	Metal, Power	
45	LED Circuit Board Ass'	1	FM stereo	
46		•	Blank No.	
47	SBSB3012Z	Screw		2
48	V44981-001	Grounding Catcher		1
49	SBSB3010Z	Screw		1
50	*VYH4399-00B	Gear Frame Ass'y		1
51	Q03093-524	Washer		1
52	VKS4108-003	Spur Gear		1
53	VKS4109-004	Brake Drum		1
54	VKW3001-006	Spring		1
55	WNS2600Z	Washer		1
56	REE2000X	E-rina		1
50 57	VKS4110-002	Brake Arm		1
57 58	VKZ4111-001	Rubber Tire		1
58 59		Rubber Holder		1
	VKL4271-001			1
60	VKW4106-001	Torsion Spring		1
61	REE2000X	E-ring		
62	*VKY4167-003	Door Spring		
63	SBSB3012Z	Screw		
65 ~ 67	*ZCRCM70LB-TPA	Top Panel Ass'y		1
65	*VJC1088-005	Top Panel		1
66	*VYTA444-001	Blind	Glued	1
67	*VYTA422-001	Dust Pad	"	1
68	*VXS4026-001	Slide Knob		6
	*VJT3044-00A	Cassette Door Ass'y		1
69				1
69 70	*VJT3045-001	Lens		
	*VJT3045-001	Lens Washer		2
70				

Exploded Views of Rear Cabinet (RC-M70LB)



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Fig. 60

Fig. 58

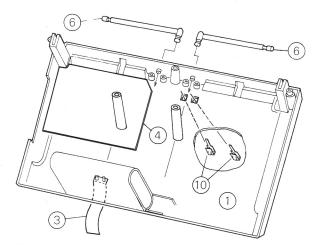


Fig. 59

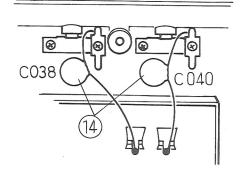
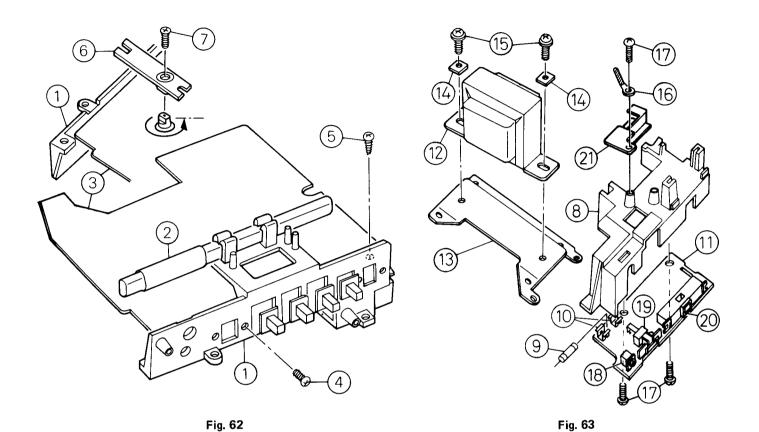


Fig. 61

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~5	*ZCRCM70LB-CBR	Rear Cabinet Ass'y		1
1	*VJC1085-003	Rear Cabinet		1
2	*VYN5058-003CBS	Name Plate		1
3	*V41583-008	Tape		1 1
4	*VYH4473-00A	Shield Plate Ass'y	*	1
5			Blank No.	
6	QZR4147-001U	Rod Antenna		2
7	VYH4189-001	Rod Antenna Holder		2
8	V41208-003	Tab	d d	2
9	SBSF3008Z	Screw	- 1 × 1 × 1	4
10	V44814-00B	Terminal Ass'y	Ext. Antenna	2
11	*ZCRCM70LB-BCA	Battery Cover Ass'y		1
12	SDSP3012RS	Screw	For Mounting Rear Cabinet	3
13	SBSF3040R	"	"	5
14	QCS11HJ-220	Ceramic Capacitor	C038,040	2

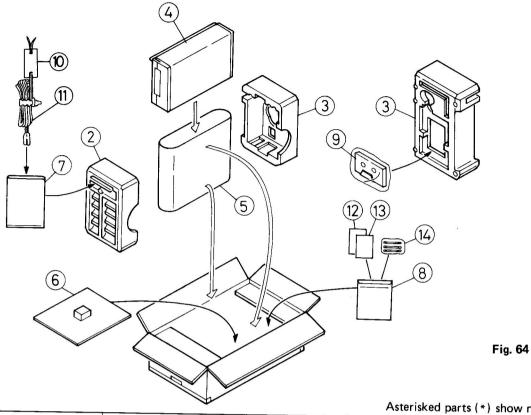
Exploded Views of Tuner Chassis Ass'y and Power Supply Ass'y (RC-M70LB)



Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	VYH2107-001	Bar Antenna Holder		1
2	VQB016B-302	Bar Antenna	L8, 9	1
3	Tuner Circuit Board As	s'y		
4	SPSP3006ZS	Screw		1
5	SBSB3012Z	"		1
6	*VYH4407-001	Arm		1
7	SSSP2610Z	Screw		1
8	*VYH3154-001	AC Holder		1
9	≜ *QMF51A2-4R0BS	Fuse	T4 A	1
10	A44594-001	Fuse Clip		1
11	A Power Supply Circuit	Board Ass'y		
12	△ *VTP66N2-15BBS	Power Transformer	T681	1
13	*VYH4406-001	Transformer Bracket		1
14	F4932-002	Special Washer	i	2
15	LPSP4008ZS	Ass'y Screw		2
16	VKZ4001-011	Wire Holder		1
17	SBSB3012Z	Screw		3
18	△ QMA1221-004	Ext. DC Jack Ass'y	J681	1
19	△ QMC0263-002BS	AC Socket Ass'y	J682, S681	1
20	≜ *QSS2325-107BS	Slide Switch	S682	1
21	*VHY4444-001	Wire Holder		1

Final Packing Ass'y (RC-M70LB)



Ref. No.	Parts No.	Parts Name	Description	Q'ty
1 2 3 4 5	*VPD5058-J03 *VPH1180-001 *VPH1181-001 VHPJ109-039 QPGA070-07505	Carton Box Side Cushion " Wrapping Paper Polyethylene Bag	Left Right	1 1 1 1 1
7 8	VPK4135-00A QPGA012-02505 QPGB024-03404	Cushion Ass'y Polyethylene Bag "	for Power Cord for Instruction Book	1 1 1

Accessories (RC-M70LB)

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	
9 10 11 12 13	*VGT12M2-J02	Cassette Tape Warning Label Power Cord Instruction Book Troubleshooting Chart	Description	1 1 1 1 1
14 15 16	VYA4001-00A VNF0757-001 VND4030-002	Head Cleaning Stick Feature Sticker Caution Label	Glued on Cassette Door Glued on Top Panel	1 1 1 1

